

SEQUENCE LISTING

<110> INCYTE GENOMICS, INC.
 HILLMAN, Jennifer L.
 LAL, Preeti
 TANG, Y. Tom
 YUE, Henry
 AU-YOUNG, Janice
 BANDMAN, Olga
 AZIMZAI, Yalda
 YANG, Junming
 LU, Dyung Aina M.
 BAUGHN, Mariah R.
 PATTERSON, Chandra
 SHAH, Purvi

<120> CELL CYCLE AND PROLIFERATION PROTEINS

<130> PF-0722 PCT

<140> To Be Assigned
 <141> Herewith

<150> 60/145,075; 60/153,129; 60/164,647
 <151> 1999-07-21; 1999-09-08; 1999-11-10

<160> 108
 <170> PERL Program

<210> 1
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 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 116462CD1

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 Leu Thr Arg Gly Pro Ser Gly Leu Gly Phe Asn Ile Val Gly Gly
 20 25 30
 Thr Asp Gln Gln Tyr Val Ser Asn Asp Ser Gly Ile Tyr Val Ser
 35 40 45
 Arg Ile Lys Glu Asn Gly Ala Ala Ala Leu Asp Gly Arg Leu Gln
 50 55 60
 Glu Gly Asp Lys Ile Leu Ser Val Asn Gly Gln Asp Leu Lys Asn
 65 70 75
 Leu Leu His Gln Asp Ala Val Asp Leu Phe Arg Asn Ala Gly Tyr
 80 85 90
 Ala Val Ser Leu Arg Val Gln His Arg Leu Gln Val Gln Asn Gly
 95 100 105
 Pro Ile Gly His Arg Gly Glu Gly Asp Pro Ser Gly Ile Pro Ile
 110 115 120
 Phe Met Val Leu Val Pro Val Phe Ala Leu Thr Met Val Ala Ala
 125 130 135
 Trp Ala Phe Met Arg Tyr Arg Gln Gln Leu
 140 145

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<220>

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<223> Incyte ID No: 1210462CD1

<400> 2

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Met Leu Thr Gln Leu Lys Ala Lys Ser Glu Gly Lys Leu Ala Lys
 1          5          10          15
Gln Ile Cys Lys Val Val Leu Asp His Phe Glu Lys Gln Tyr Ser
          20          25          30
Lys Glu Leu Gly Asp Ala Trp Asn Thr Val Arg Glu Ile Leu Thr
          35          40          45
Ser Pro Ser Cys Trp Gln Tyr Ala Val Leu Leu Asn Arg Phe Asn
          50          55          60
Tyr Pro Phe Glu Leu Glu Lys Asp Leu His Leu Lys Gly Tyr His
          65          70          75
Thr Leu Ser Gln Gly Ser Leu Pro Asn Tyr Pro Lys Ser Val Lys
          80          85          90
Cys Tyr Leu Ser Arg Thr Pro Gly Arg Ile Pro Ser Glu Arg His
          95          100          105
Gln Ile Gly Asn Leu Lys Lys Tyr Tyr Leu Leu Asn Ala Ala Ser
          110          115          120
Leu Leu Pro Val Leu Ala Leu Glu Leu Arg Asp Gly Glu Lys Val
          125          130          135
Leu Asp Leu Cys Ala Ala Pro Gly Gly Lys Ser Ile Ala Leu Leu
          140          145          150
Gln Cys Ala Cys Pro Gly Tyr Leu His Cys Asn Glu Tyr Asp Ser
          155          160          165
Leu Arg Leu Arg Trp Leu Arg Gln Thr Leu Glu Ser Phe Ile Pro
          170          175          180
Gln Pro Leu Ile Asn Val Ile Lys Val Ser Glu Leu Asp Gly Arg
          185          190          195
Lys Met Gly Asp Ala Gln Pro Glu Met Phe Asp Lys Val Leu Val
          200          205          210
Asp Ala Pro Cys Ser Asn Asp Arg Ser Trp Leu Phe Ser Ser Asp
          215          220          225
Ser Gln Lys Ala Ser Cys Arg Ile Ser Gln Arg Arg Asn Leu Pro
          230          235          240
Leu Leu Gln Ile Glu Leu Leu Arg Ser Ala Ile Lys Ala Leu Arg
          245          250          255
Pro Gly Gly Ile Leu Val Tyr Ser Thr Cys Thr Leu Ser Lys Ala
          260          265          270
Glu Asn Gln Asp Val Ile Ser Glu Ile Leu Asn Ser His Gly Asn
          275          280          285
Ile Met Pro Met Asp Ile Lys Gly Ile Ala Arg Thr Cys Ser His
          290          295          300
Asp Phe Thr Phe Ala Pro Thr Gly Gln Glu Cys Gly Leu Leu Val
          305          310          315
Ile Pro Asp Lys Gly Lys Ala Trp Gly Pro Met Tyr Val Ala Lys
          320          325          330
Leu Lys Lys Ser Trp Ser Thr Gly Lys Trp
          335          340

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<210> 3

<211> 418

<212> PRT

<213> Homo sapiens

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<223> Incyte ID No: 1305252CD1

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1				5					10					15
Met	Asp	Leu	Arg	Asp	Arg	Phe	Thr	Glu	Met	Arg	Glu	Met	Asp	Leu
				20					25					30
Gln	Val	Gln	Asn	Ala	Met	Asp	Gln	Leu	Glu	Gln	Arg	Val	Ser	Glu
				35					40					45
Phe	Phe	Met	Asn	Ala	Lys	Lys	Asn	Lys	Pro	Glu	Trp	Arg	Glu	Glu
				50					55					60
Gln	Met	Ala	Ser	Ile	Lys	Lys	Asp	Tyr	Tyr	Lys	Ala	Leu	Glu	Asp
				65					70					75
Ala	Asp	Glu	Lys	Val	Gln	Leu	Ala	Asn	Gln	Ile	Tyr	Asp	Leu	Val
				80					85					90
Asp	Arg	His	Leu	Arg	Lys	Leu	Asp	Gln	Glu	Leu	Ala	Lys	Phe	Lys
				95					100					105
Met	Glu	Leu	Glu	Ala	Asp	Asn	Ala	Gly	Ile	Thr	Glu	Ile	Leu	Glu
				110					115					120
Arg	Arg	Ser	Leu	Glu	Leu	Asp	Thr	Pro	Ser	Gln	Pro	Val	Asn	Asn
				125					130					135
His	His	Ala	His	Ser	His	Thr	Pro	Val	Glu	Lys	Arg	Lys	Tyr	Asn
				140					145					150
Pro	Thr	Ser	His	His	Thr	Thr	Thr	Asp	His	Ile	Pro	Glu	Lys	Lys
				155					160					165
Phe	Lys	Ser	Glu	Ala	Leu	Leu	Ser	Thr	Leu	Thr	Ser	Asp	Ala	Ser
				170					175					180
Lys	Glu	Asn	Thr	Leu	Gly	Cys	Arg	Asn	Asn	Asn	Ser	Thr	Ala	Ser
				185					190					195
Ser	Asn	Asn	Ala	Tyr	Asn	Val	Asn	Ser	Ser	Gln	Pro	Leu	Gly	Ser
				200					205					210
Tyr	Asn	Ile	Gly	Ser	Leu	Ser	Ser	Gly	Thr	Gly	Ala	Gly	Ala	Ile
				215					220					225
Thr	Met	Ala	Ala	Ala	Gln	Ala	Val	Gln	Ala	Thr	Ala	Gln	Met	Lys
				230					235					240
Glu	Gly	Arg	Arg	Thr	Ser	Ser	Leu	Lys	Ala	Ser	Tyr	Glu	Ala	Phe
				245					250					255
Lys	Asn	Asn	Asp	Phe	Gln	Leu	Gly	Lys	Glu	Phe	Ser	Met	Ala	Arg
				260					265					270
Glu	Thr	Val	Gly	Tyr	Ser	Ser	Ser	Ser	Ala	Leu	Met	Thr	Thr	Leu
				275					280					285
Thr	Gln	Asn	Ala	Ser	Ser	Ser	Ala	Ala	Asp	Ser	Arg	Ser	Gly	Arg
				290					295					300
Lys	Ser	Lys	Asn	Asn	Asn	Lys	Ser	Ser	Ser	Gln	Gln	Ser	Ser	Ser
				305					310					315
Ser	Ser	Ser	Ser	Ser	Ser	Leu	Ser	Ser	Cys	Ser	Ser	Ser	Ser	Thr
				320					325					330
Val	Val	Gln	Glu	Ile	Ser	Gln	Gln	Thr	Thr	Val	Val	Pro	Glu	Ser
				335					340					345
Asp	Ser	Asn	Ser	Gln	Val	Asp	Trp	Thr	Tyr	Asp	Pro	Asn	Glu	Pro
				350					355					360
Arg	Tyr	Cys	Ile	Cys	Asn	Gln	Val	Ser	Tyr	Gly	Glu	Met	Val	Gly
				365					370					375
Cys	Asp	Asn	Gln	Asp	Cys	Pro	Ile	Glu	Trp	Phe	His	Tyr	Gly	Cys
				380					385					390
Val	Gly	Leu	Thr	Glu	Ala	Pro	Lys	Gly	Lys	Trp	Tyr	Cys	Pro	Gln
				395					400					405
Cys	Thr	Ala	Ala	Met	Lys	Arg	Arg	Gly	Ser	Arg	His	Lys		
				410					415					

<210> 4

<211> 297

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature


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Asn Gly Ser Phe Gly Pro Ser Glu Leu Ala Leu Ala Thr Arg Phe
      80      85      90
Arg Gln Lys Leu Arg Gln Gly Ala Met Thr Ala Leu Ser Phe Gly
      95     100     105
Glu Val Asp Phe Thr Phe Glu Ala Ala Val Leu Ala Gly Leu Leu
      110     115     120
Thr Glu Cys Arg Asp Val Leu Leu Glu Leu Val Glu His His Leu
      125     130     135
Thr Pro Lys Ser His Gly Arg Ile Arg His Val Phe Asp His Phe
      140     145     150
Ser Asp Pro Gly Leu Leu Thr Ala Leu Tyr Gly Pro Asp Phe Thr
      155     160     165
Gln His Leu Gly Lys Ile Cys Asp Gly Leu Arg Lys Leu Leu Asp
      170     175     180
Glu Gly Lys Leu

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<210> 6
<211> 173
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 1577739CD1

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<400> 6
Met Asp Val Arg Arg Val Leu Val Lys Ala Glu Met Glu Lys Phe
  1      5      10      15
Leu Gln Asn Lys Glu Leu Phe Ser Ser Leu Lys Lys Gly Lys Ile
      20      25      30
Cys Cys Cys Cys Arg Ala Lys Phe Pro Leu Phe Ser Trp Pro Pro
      35      40      45
Ser Cys Leu Phe Cys Lys Arg Ala Val Cys Thr Ser Cys Ser Ile
      50      55      60
Lys Met Lys Met Pro Ser Lys Lys Phe Gly His Ile Pro Val Tyr
      65      70      75
Thr Leu Gly Phe Glu Ser Pro Gln Arg Val Ser Ala Ala Lys Thr
      80      85      90
Ala Pro Ile Gln Arg Arg Asp Ile Phe Gln Ser Leu Gln Gly Pro
      95     100     105
Gln Trp Gln Ser Val Glu Glu Ala Phe Pro His Ile Tyr Ser His
      110     115     120
Gly Cys Val Leu Lys Asp Val Cys Ser Glu Cys Thr Ser Phe Val
      125     130     135
Ala Asp Val Val Arg Ser Ser Arg Lys Ser Val Asp Val Leu Asn
      140     145     150
Thr Thr Pro Arg Arg Ser Arg Gln Thr Gln Ser Leu Tyr Ile Pro
      155     160     165
Asn Thr Arg Thr Leu Asp Phe Lys
      170

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<210> 7
<211> 591
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 1752768CD1

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<400> 7
Met Val Pro Val Ala Val Thr Ala Ala Val Ala Pro Val Leu Ser
  1      5      10      15
Ile Asn Ser Asp Phe Ser Asp Leu Arg Glu Ile Lys Lys Gln Leu

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				20					25				30
Leu	Leu	Ile	Ala	Gly	Leu	Thr	Arg	Glu	Arg	Gly	Leu	Leu	Ser
				35					40				45
Ser	Lys	Trp	Ser	Ala	Glu	Leu	Ala	Phe	Ser	Leu	Pro	Ala	Leu
				50					55				60
Leu	Ala	Glu	Leu	Gln	Pro	Pro	Pro	Pro	Ile	Thr	Glu	Glu	Asp
				65					70				75
Gln	Asp	Met	Asp	Ala	Tyr	Thr	Leu	Ala	Lys	Ala	Tyr	Phe	Asp
				80					85				90
Lys	Glu	Tyr	Asp	Arg	Ala	Ala	His	Phe	Leu	His	Gly	Cys	Asn
				95					100				105
Lys	Lys	Ala	Tyr	Phe	Leu	Tyr	Met	Tyr	Ser	Arg	Tyr	Leu	Ser
				110					115				120
Glu	Lys	Lys	Lys	Asp	Asp	Glu	Thr	Val	Asp	Ser	Leu	Gly	Pro
				125					130				135
Glu	Lys	Gly	Gln	Val	Lys	Asn	Glu	Ala	Leu	Arg	Glu	Leu	Arg
				140					145				150
Glu	Leu	Ser	Lys	Lys	His	Gln	Ala	Arg	Glu	Leu	Asp	Gly	Phe
				155					160				165
Leu	Tyr	Leu	Tyr	Gly	Val	Val	Leu	Arg	Lys	Leu	Asp	Leu	Val
				170					175				180
Glu	Ala	Ile	Asp	Val	Phe	Val	Glu	Ala	Thr	His	Val	Leu	Pro
				185					190				195
His	Trp	Gly	Ala	Trp	Leu	Glu	Leu	Cys	Asn	Leu	Ile	Thr	Asp
				200					205				210
Glu	Met	Leu	Lys	Phe	Leu	Ser	Leu	Pro	Asp	Thr	Trp	Met	Lys
				215					220				225
Phe	Phe	Leu	Ala	His	Ile	Tyr	Thr	Glu	Leu	Gln	Leu	Ile	Glu
				230					235				240
Ala	Leu	Gln	Lys	Tyr	Gln	Asn	Leu	Ile	Asp	Val	Gly	Phe	Ser
				245					250				255
Ser	Ser	Tyr	Ile	Val	Ser	Gln	Ile	Ala	Val	Ala	Tyr	His	Asn
				260					265				270
Arg	Asp	Ile	Asp	Lys	Ala	Leu	Ser	Ile	Phe	Asn	Glu	Leu	Arg
				275					280				285
Gln	Asp	Pro	Tyr	Arg	Ile	Glu	Asn	Met	Asp	Thr	Phe	Ser	Asn
				290					295				300
Leu	Tyr	Val	Arg	Ser	Met	Lys	Ser	Glu	Leu	Ser	Tyr	Leu	Ala
				305					310				315
Asn	Leu	Cys	Glu	Ile	Asp	Lys	Tyr	Arg	Val	Glu	Thr	Cys	Cys
				320					325				330
Ile	Gly	Asn	Tyr	Tyr	Ser	Leu	Arg	Ser	Gln	His	Glu	Lys	Ala
				335					340				345
Leu	Tyr	Phe	Gln	Arg	Ala	Leu	Lys	Leu	Asn	Pro	Arg	Tyr	Leu
				350					355				360
Ala	Trp	Thr	Leu	Met	Gly	His	Glu	Tyr	Met	Glu	Met	Lys	Asn
				365					370				375
Ser	Ala	Ala	Ile	Gln	Ala	Tyr	Arg	His	Ala	Ile	Glu	Val	Asn
				380					385				390
Arg	Asp	Tyr	Arg	Ala	Trp	Tyr	Gly	Leu	Gly	Gln	Thr	Tyr	Glu
				395					400				405
Leu	Lys	Met	Pro	Phe	Tyr	Cys	Leu	Tyr	Tyr	Cys	Arg	Arg	Ala
				410					415				420
Gln	Leu	Arg	Pro	Asn	Asp	Ser	Arg	Met	Leu	Val	Ala	Leu	Gly
				425					430				435
Cys	Tyr	Glu	Lys	Leu	Asn	Gln	Leu	Val	Glu	Ala	Lys	Lys	Cys
				440					445				450
Trp	Arg	Ala	Tyr	Ala	Val	Gly	Asp	Val	Glu	Lys	Met	Ala	Leu
				455					460				465
Lys	Leu	Ala	Lys	Leu	His	Glu	Gln	Leu	Thr	Glu	Ser	Glu	Gln
				470					475				480
Ala	Gln	Cys	Tyr	Ile	Lys	Tyr	Ile	Gln	Asp	Ile	Tyr	Ser	Cys
				485					490				495

Glu	Ile	Val	Glu	His	Leu	Glu	Glu	Ser	Thr	Ala	Phe	Arg	Tyr	Leu	
				500					505					510	
Ala	Gln	Tyr	Tyr	Phe	Lys	Cys	Lys	Leu	Trp	Asp	Glu	Ala	Ser	Thr	
				515					520					525	
Cys	Ala	Gln	Lys	Cys	Ala	Phe	Asn	Asp	Thr	Arg	Glu	Glu	Gly		
				530					535					540	
Lys	Ala	Leu	Leu	Arg	Gln	Ile	Leu	Gln	Leu	Arg	Asn	Gln	Gly	Glu	
				545					550					555	
Thr	Pro	Thr	Thr	Glu	Val	Pro	Ala	Pro	Phe	Phe	Leu	Pro	Ala	Ser	
				560					565					570	
Leu	Ser	Ala	Asn	Asn	Thr	Pro	Thr	Arg	Arg	Val	Ser	Pro	Leu	Asn	
				575					580					585	
Leu	Ser	Ser	Val	Thr	Pro										
				590											

<210> 8

<211> 463

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1887228CD1

<400> 8

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Gly	Thr	Val	Phe	Thr	Glu	Leu	Asn	Asp	Glu	Lys	Val	Leu	Gln	Glu	
				20					25					30	
Leu	Asp	Met	Ser	Asp	Phe	Glu	Glu	Gln	Phe	Lys	Thr	Lys	Ser	Gln	
				35					40					45	
Gly	Pro	Ser	Leu	Asp	Leu	Ser	Ala	Leu	Lys	Ser	Lys	Ala	Ala	Gln	
				50					55					60	
Lys	Ala	Pro	Ser	Lys	Ala	Thr	Leu	Ile	Glu	Ala	Asn	Arg	Ala	Lys	
				65					70					75	
Asn	Leu	Ala	Ile	Thr	Leu	Arg	Lys	Gly	Asn	Leu	Gly	Ala	Glu	Arg	
				80					85					90	
Ile	Cys	Gln	Ala	Ile	Glu	Ala	Tyr	Asp	Leu	Gln	Ala	Leu	Gly	Leu	
				95					100					105	
Asp	Phe	Leu	Glu	Leu	Leu	Met	Arg	Phe	Leu	Pro	Thr	Glu	Tyr	Glu	
				110					115					120	
Arg	Ser	Leu	Ile	Thr	Arg	Phe	Glu	Arg	Glu	Gln	Arg	Pro	Met	Glu	
				125					130					135	
Glu	Leu	Ser	Glu	Glu	Asp	Arg	Phe	Met	Leu	Cys	Phe	Ser	Arg	Ile	
				140					145					150	
Pro	Arg	Leu	Pro	Glu	Arg	Met	Thr	Thr	Leu	Thr	Phe	Leu	Gly	Asn	
				155					160					165	
Phe	Pro	Asp	Thr	Ala	Gln	Leu	Leu	Met	Pro	Gln	Leu	Asn	Ala	Ile	
				170					175					180	
Ile	Ala	Ala	Ser	Met	Ser	Ile	Lys	Ser	Ser	Asp	Lys	Leu	Arg	Gln	
				185					190					195	
Ile	Leu	Glu	Ile	Val	Leu	Ala	Phe	Gly	Asn	Tyr	Met	Asn	Ser	Ser	
				200					205					210	
Lys	Arg	Gly	Ala	Ala	Tyr	Gly	Phe	Arg	Leu	Gln	Ser	Leu	Asp	Ala	
				215					220					225	
Leu	Leu	Glu	Met	Lys	Ser	Thr	Asp	Arg	Lys	Gln	Thr	Leu	Leu	His	
				230					235					240	
Tyr	Leu	Val	Lys	Val	Ile	Ala	Glu	Lys	Tyr	Pro	Gln	Leu	Thr	Gly	
				245					250					255	
Phe	His	Ser	Asp	Leu	His	Phe	Leu	Asp	Lys	Ala	Gly	Ser	Val	Ser	
				260					265					270	
Leu	Asp	Ser	Val	Leu	Ala	Asp	Val	Arg	Ser	Leu	Gln	Arg	Gly	Leu	
				275					280					285	
Glu	Leu	Thr	Gln	Arg	Glu	Phe	Val	Arg	Gln	Asp	Asp	Cys	Met	Val	

	290		295		300
Leu Lys Glu Phe	Leu Arg Ala Asn Ser	Pro Thr Met Asp Lys	Leu		
	305		310		315
Leu Ala Asp Ser	Lys Thr Ala Gln Glu	Ala Phe Glu Ser Val	Val		
	320		325		330
Glu Tyr Phe Gly	Glu Asn Pro Lys Thr	Thr Ser Pro Gly Leu	Phe		
	335		340		345
Phe Ser Leu Phe	Ser Arg Phe Ile Lys	Ala Tyr Lys Lys Ala	Glu		
	350		355		360
Gln Glu Val Glu	Gln Trp Lys Lys Glu	Ala Ala Ala Gln Glu	Ala		
	365		370		375
Gly Ala Asp Thr	Pro Gly Lys Gly Glu	Pro Pro Ala Pro Lys	Ser		
	380		385		390
Pro Pro Lys Ala	Arg Arg Pro Gln Met	Asp Leu Ile Ser Glu	Leu		
	395		400		405
Lys Arg Arg Gln	Gln Lys Glu Pro Leu	Ile Tyr Glu Ser Asp	Arg		
	410		415		420
Asp Gly Ala Ile	Glu Asp Ile Ile Thr	Asp Leu Arg Asn Gln	Pro		
	425		430		435
Tyr Ile Arg Ala	Asp Thr Gly Arg Arg	Ser Ala Arg Arg Arg	Pro		
	440		445		450
Pro Gly Pro Pro	Leu Gln Val Thr Ser	Asp Leu Ser Leu			
	455		460		

<210> 9

<211> 270

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1988468CD1

<400> 9

Met Ala Asp His	Met Met Ala Met Asn His	Gly Arg Phe Pro Asp	
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Gly Thr Asn Gly	Leu His His His Pro Ala	His Arg Met Gly Met	
	20	25	30
Gly Gln Phe Pro	Ser Pro His His His Gln	Gln Gln Gln Pro Gln	
	35	40	45
His Ala Phe Asn	Ala Leu Met Gly Glu His	Ile His Tyr Gly Ala	
	50	55	60
Gly Asn Met Asn	Ala Thr Ser Gly Ile Arg	His Ala Met Gly Pro	
	65	70	75
Gly Thr Val Asn	Gly Gly His Pro Pro Ser	Ala Leu Ala Pro Ala	
	80	85	90
Ala Arg Phe Asn	Asn Ser Gln Phe Met Gly	Pro Pro Val Ala Ser	
	95	100	105
Gln Gly Gly Ser	Leu Pro Ala Ser Met Gln	Leu Gln Lys Leu Asn	
	110	115	120
Asn Gln Tyr Phe	Asn His His Pro Tyr Pro	His Asn His Tyr Met	
	125	130	135
Pro Asp Leu His	Pro Ala Ala Gly His Gln	Met Asn Gly Thr Asn	
	140	145	150
Gln His Phe Arg	Asp Cys Asn Pro Lys His	Ser Gly Gly Ser Ser	
	155	160	165
Thr Pro Gly Gly	Ser Gly Gly Ser Ser Thr	Pro Gly Gly Ser Gly	
	170	175	180
Ser Ser Ser Gly	Gly Gly Ala Gly Ser Ser	Asn Ser Gly Gly Gly	
	185	190	195
Ser Gly Ser Gly	Asn Met Pro Ala Ser Val	Ala His Val Pro Ala	
	200	205	210
Ala Met Leu Pro	Pro Asn Val Ile Asp Thr	Asp Phe Ile Asp Glu	
	215	220	225

Glu	Val	Leu	Met	Ser	Leu	Val	Ile	Glu	Met	Gly	Leu	Asp	Arg	Ile	
				230					235					240	
Lys	Glu	Leu	Pro	Glu	Leu	Trp	Leu	Gly	Gln	Asn	Glu	Phe	Asp	Phe	
				245					250					255	
Met	Thr	Asp	Phe	Val	Cys	Lys	Gln	Gln	Pro	Ser	Arg	Val	Ser	Cys	
				260					265					270	

<210> 10
 <211> 255
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<220>
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 <223> Incyte ID No: 2049176CD1

<400> 10

Met	Val	Ser	Trp	Met	Ile	Ser	Arg	Ala	Val	Val	Leu	Val	Phe	Gly	
1				5					10					15	
Met	Leu	Tyr	Pro	Ala	Tyr	Tyr	Ser	Tyr	Lys	Ala	Val	Lys	Thr	Lys	
				20					25					30	
Asn	Val	Lys	Glu	Tyr	Val	Arg	Trp	Met	Met	Tyr	Trp	Ile	Val	Phe	
				35					40					45	
Ala	Leu	Tyr	Thr	Val	Ile	Glu	Thr	Val	Ala	Asp	Gln	Thr	Val	Ala	
				50					55					60	
Trp	Phe	Pro	Leu	Tyr	Tyr	Glu	Leu	Lys	Ile	Ala	Phe	Val	Ile	Trp	
				65					70					75	
Leu	Leu	Ser	Pro	Tyr	Thr	Lys	Gly	Ala	Ser	Leu	Ile	Tyr	Arg	Lys	
				80					85					90	
Phe	Leu	His	Pro	Leu	Ser	Ser	Lys	Glu	Arg	Glu	Ile	Asp	Asp		
				95					100					105	
Tyr	Ile	Val	Gln	Ala	Lys	Glu	Arg	Gly	Tyr	Glu	Thr	Met	Val	Asn	
				110					115					120	
Phe	Gly	Arg	Gln	Gly	Leu	Asn	Leu	Ala	Ala	Thr	Ala	Ala	Val	Thr	
				125					130					135	
Ala	Ala	Val	Lys	Ser	Gln	Gly	Ala	Ile	Thr	Glu	Arg	Leu	Arg	Ser	
				140					145					150	
Phe	Ser	Met	His	Asp	Leu	Thr	Thr	Ile	Gln	Gly	Asp	Glu	Pro	Val	
				155					160					165	
Gly	Gln	Arg	Pro	Tyr	Gln	Pro	Leu	Pro	Glu	Ala	Lys	Lys	Lys	Ser	
				170					175					180	
Lys	Pro	Ala	Pro	Ser	Glu	Ser	Ala	Gly	Tyr	Gly	Ile	Pro	Leu	Lys	
				185					190					195	
Asp	Gly	Asp	Glu	Lys	Thr	Asp	Glu	Glu	Ala	Glu	Gly	Pro	Tyr	Ser	
				200					205					210	
Asp	Asn	Glu	Met	Leu	Thr	His	Lys	Gly	Leu	Arg	Arg	Ser	Gln	Ser	
				215					220					225	
Met	Lys	Ser	Val	Lys	Thr	Thr	Lys	Gly	Arg	Lys	Glu	Val	Arg	Tyr	
				230					235					240	
Gly	Ser	Leu	Lys	Tyr	Lys	Val	Lys	Lys	Arg	Pro	Gln	Val	Tyr	Phe	
				245					250					255	

<210> 11
 <211> 533
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2686765CD1

<400> 11

Met	Ser	Gly	Thr	Leu	Glu	Ser	Leu	Ala	Asp	Asp	Val	Ser	Ser	Met	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--

1	5	10	15
Gly Ser Asp Ser Glu	Ile Asn Gly Leu Ala	Leu Arg Lys Thr Asp	
	20	25	30
Lys Tyr Gly Phe Leu	Gly Gly Ser Gln Tyr	Ser Gly Ser Leu Glu	
	35	40	45
Ser Ser Ile Pro Val	Asp Val Ala Arg Gln	Arg Glu Leu Lys Trp	
	50	55	60
Leu Asp Met Phe Ser	Asn Trp Asp Lys Trp	Leu Ser Arg Arg Phe	
	65	70	75
Gln Lys Val Lys Leu	Arg Cys Arg Lys Gly	Ile Pro Ser Ser Leu	
	80	85	90
Arg Ala Lys Ala Trp	Gln Tyr Leu Ser Asn	Ser Lys Glu Leu Leu	
	95	100	105
Glu Gln Asn Pro Gly	Lys Phe Glu Glu Leu	Glu Arg Ala Pro Gly	
	110	115	120
Asp Pro Lys Trp Leu	Asp Val Ile Glu Lys	Asp Leu His Arg Gln	
	125	130	135
Phe Pro Phe His Glu	Met Phe Ala Ala Arg	Gly Gly His Gly Gln	
	140	145	150
Gln Asp Leu Tyr Arg	Ile Leu Lys Ala Tyr	Thr Ile Tyr Arg Pro	
	155	160	165
Asp Glu Gly Tyr Cys	Gln Ala Gln Ala Pro	Val Ala Ala Val Leu	
	170	175	180
Leu Met His Met Pro	Ala Glu Lys Pro Phe	Gly Ala Trp Val Gln	
	185	190	195
Ile Cys Asp Lys Tyr	Leu Pro Gly Tyr Tyr	Ser Ala Gly Leu Glu	
	200	205	210
Ala Ile Gln Leu Asp	Gly Glu Ile Phe Phe	Ala Leu Leu Arg Arg	
	215	220	225
Ala Ser Pro Leu Ala	His Arg His Leu Gln	Arg Gln Arg Ile Asp	
	230	235	240
Pro Val Leu Tyr Met	Thr Glu Trp Phe Met	Cys Ile Phe Ala Arg	
	245	250	255
Thr Leu Pro Trp Ala	Ser Val Leu Arg Val	Trp Asp Met Phe Phe	
	260	265	270
Cys Glu Gly Val Lys	Ile Ile Phe Arg Val	Ala Leu Val Leu Leu	
	275	280	285
Arg His Thr Leu Gly	Ser Val Glu Lys Leu	Arg Ser Cys Gln Gly	
	290	295	300
Met Tyr Glu Thr Met	Glu Gln Leu Arg Asn	Leu Pro Gln Gln Cys	
	305	310	315
Met Gln Glu Asp Phe	Leu Val His Glu Val	Thr Asn Leu Pro Val	
	320	325	330
Thr Glu Ala Leu Ile	Glu Arg Glu Asn Ala	Ala Gln Leu Lys Lys	
	335	340	345
Trp Arg Glu Thr Arg	Gly Glu Leu Gln Tyr	Arg Pro Ser Arg Arg	
	350	355	360
Leu His Gly Ser Arg	Ala Ile His Glu Glu	Arg Arg Arg Gln Gln	
	365	370	375
Pro Pro Leu Gly Pro	Ser Ser Ser Leu Leu	Ser Leu Pro Gly Leu	
	380	385	390
Lys Ser Arg Gly Ser	Arg Ala Ala Gly Gly	Ala Pro Ser Pro Pro	
	395	400	405
Pro Pro Val Arg Arg	Ala Ser Ala Gly Pro	Ala Pro Gly Pro Val	
	410	415	420
Val Thr Ala Glu Gly	Leu His Pro Ser Leu	Pro Ser Pro Thr Gly	
	425	430	435
Asn Ser Thr Pro Leu	Gly Ser Ser Lys Glu	Thr Arg Lys Gln Glu	
	440	445	450
Lys Glu Arg Gln Lys	Gln Glu Lys Glu Arg	Gln Lys Gln Glu Lys	
	455	460	465
Glu Arg Glu Lys Glu	Arg Gln Lys Gln Glu	Lys Glu Arg Glu Lys	
	470	475	480

Gln Glu Lys Glu Arg Glu Lys Gln Glu Lys Glu Arg Gln Lys Gln
 485 490 495
 Glu Lys Lys Ala Gln Gly Arg Lys Leu Ser Leu Arg Arg Lys Ala
 500 505 510
 Asp Gly Pro Pro Gly Pro His Asp Gly Gly Asp Arg Pro Ser Ala
 515 520 525
 Glu Ala Arg Gln Asp Ala Tyr Phe
 530

<210> 12
 <211> 160
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3215187CD1

<400> 12
 Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ser Leu Val
 1 5 10 15
 Leu Cys Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala
 20 25 30
 Phe Asp Glu Leu Arg Thr Asp Phe Lys Ser Pro Ile Asp Gln Cys
 35 40 45
 Asn Pro Val His Ala Arg Glu Arg Leu Arg Asn Ile Glu Arg Ile
 50 55 60
 Cys Phe Leu Leu Arg Lys Leu Val Leu Pro Glu Tyr Ser Ile His
 65 70 75
 Ser Leu Phe Cys Ile Met Phe Leu Cys Ala Gln Glu Trp Leu Thr
 80 85 90
 Leu Gly Leu Asn Val Pro Leu Leu Phe Tyr His Phe Trp Arg Tyr
 95 100 105
 Phe His Cys Pro Ala Asp Ser Ser Glu Leu Ala Tyr Asp Pro Pro
 110 115 120
 Val Val Met Asn Ala Asp Thr Leu Ser Tyr Cys Gln Lys Glu Ala
 125 130 135
 Trp Cys Lys Leu Ala Phe Tyr Leu Leu Ser Phe Phe Tyr Tyr Leu
 140 145 150
 Tyr Cys Met Ile Tyr Thr Leu Val Ser Ser
 155 160

<210> 13
 <211> 531
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3500375CD1

<400> 13
 Met Ala Asp Val Leu Ser Val Leu Arg Gln Tyr Asn Ile Gln Lys
 1 5 10 15
 Lys Glu Ile Val Val Lys Gly Asp Glu Val Ile Phe Gly Glu Phe
 20 25 30
 Ser Trp Pro Lys Asn Val Lys Thr Asn Tyr Val Val Trp Gly Thr
 35 40 45
 Gly Lys Glu Gly Gln Pro Arg Glu Tyr Tyr Thr Leu Asp Ser Ile
 50 55 60
 Leu Phe Leu Leu Asn Asn Val His Leu Ser His Pro Val Tyr Val
 65 70 75
 Arg Arg Ala Ala Thr Glu Asn Ile Pro Val Val Arg Arg Pro Asp
 80 85 90
 Arg Lys Asp Leu Leu Gly Tyr Leu Asn Gly Glu Ala Ser Thr Ser

	95		100		105
Ala Ser Ile Asp	Arg Ser Ala Pro Leu Glu Ile Gly Leu Gln Arg				
	110		115		120
Ser Thr Gln Val	Lys Arg Ala Ala Asp Glu Val Leu Ala Glu Ala				
	125		130		135
Lys Lys Pro Arg	Ile Glu Asp Glu Glu Cys Val Arg Leu Asp Lys				
	140		145		150
Glu Arg Leu Ala	Ala Arg Leu Glu Gly His Lys Glu Gly Ile Val				
	155		160		165
Gln Thr Glu Gln	Ile Arg Ser Leu Ser Glu Ala Met Ser Val Glu				
	170		175		180
Lys Ile Ala Ala	Ile Lys Ala Lys Ile Met Ala Lys Lys Arg Ser				
	185		190		195
Thr Ile Lys Thr	Asp Leu Asp Asp Asp Ile Thr Ala Leu Lys Gln				
	200		205		210
Arg Ser Phe Val	Asp Ala Glu Val Asp Val Thr Arg Asp Ile Val				
	215		220		225
Ser Arg Glu Arg	Val Trp Arg Thr Arg Thr Thr Ile Leu Gln Ser				
	230		235		240
Thr Gly Lys Asn	Phe Ser Lys Asn Ile Phe Ala Ile Leu Gln Ser				
	245		250		255
Val Lys Ala Arg	Glu Glu Gly Arg Ala Pro Glu Gln Arg Pro Ala				
	260		265		270
Pro Asn Ala Ala	Pro Val Asp Pro Thr Leu Arg Thr Lys Gln Pro				
	275		280		285
Ile Pro Ala Ala	Tyr Asn Arg Tyr Asp Gln Glu Arg Phe Lys Gly				
	290		295		300
Lys Glu Glu Thr	Glu Gly Phe Lys Ile Asp Thr Met Gly Thr Tyr				
	305		310		315
His Gly Met Thr	Leu Lys Ser Val Thr Glu Gly Ala Ser Ala Arg				
	320		325		330
Lys Thr Gln Thr	Pro Ala Ala Gln Pro Val Pro Arg Pro Val Ser				
	335		340		345
Gln Ala Arg Pro	Pro Pro Asn Gln Lys Lys Gly Ser Arg Thr Pro				
	350		355		360
Ile Ile Ile Ile	Pro Ala Ala Thr Thr Ser Leu Ile Thr Met Leu				
	365		370		375
Asn Ala Lys Asp	Leu Leu Gln Asp Leu Lys Phe Val Pro Ser Asp				
	380		385		390
Glu Lys Lys Lys	Gln Gly Cys Gln Arg Glu Asn Glu Thr Leu Ile				
	395		400		405
Gln Arg Arg Lys	Asp Gln Met Gln Pro Gly Gly Thr Ala Ile Ser				
	410		415		420
Val Thr Val Pro	Tyr Arg Val Val Asp Gln Pro Leu Lys Leu Met				
	425		430		435
Pro Gln Asp Trp	Asp Arg Val Val Ala Val Phe Val Gln Gly Pro				
	440		445		450
Ala Trp Gln Phe	Lys Gly Trp Pro Trp Leu Leu Pro Asp Gly Ser				
	455		460		465
Pro Val Asp Ile	Phe Ala Lys Ile Lys Ala Phe His Leu Lys Tyr				
	470		475		480
Asp Glu Val Arg	Leu Asp Pro Asn Val Gln Lys Trp Asp Val Thr				
	485		490		495
Val Leu Glu Leu	Ser Tyr His Lys Arg His Leu Asp Arg Pro Val				
	500		505		510
Phe Leu Arg Phe	Trp Glu Thr Leu Asp Arg Tyr Met Val Lys His				
	515		520		525
Lys Ser His Leu	Arg Phe				
	530				

<210> 14

<211> 165

<212> PRT

<213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 5080410CD1

<400> 14

Met	Ala	Ser	Met	Arg	Glu	Ser	Asp	Thr	Gly	Leu	Trp	Leu	His	Asn	
1				5					10					15	
Lys	Leu	Gly	Ala	Thr	Asp	Glu	Leu	Trp	Ala	Pro	Pro	Ser	Ile	Ala	
				20					25					30	
Ser	Leu	Leu	Thr	Ala	Ala	Val	Ile	Asp	Asn	Ile	Arg	Leu	Cys	Phe	
				35					40					45	
His	Gly	Leu	Ser	Ser	Ala	Val	Lys	Leu	Lys	Leu	Leu	Leu	Gly	Thr	
				50					55					60	
Leu	His	Leu	Pro	Arg	Arg	Thr	Val	Asp	Glu	His	Pro	Ile	Leu	Pro	
				65					70					75	
Met	Lys	Gly	Ala	Leu	Met	Glu	Ile	Ile	Gln	Leu	Ala	Ser	Leu	Asp	
				80					85					90	
Ser	Asp	Pro	Trp	Val	Leu	Met	Val	Ala	Asp	Ile	Leu	Lys	Ser	Phe	
				95					100					105	
Pro	Asp	Thr	Gly	Ser	Leu	Asn	Leu	Glu	Leu	Glu	Glu	Gln	Asn	Pro	
				110					115					120	
Asn	Val	Gln	Asp	Ile	Leu	Gly	Glu	Leu	Arg	Glu	Lys	Val	Gly	Glu	
				125					130					135	
Cys	Glu	Ala	Ser	Ala	Met	Leu	Pro	Leu	Glu	Cys	Gln	Tyr	Leu	Asn	
				140					145					150	
Lys	Asn	Ala	Ala	Asp	Asp	Pro	Arg	Gly	Thr	Pro	His	Ser	Pro	Gly	
				155					160					165	

<210> 15
 <211> 199
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 5218248CD1

<400> 15

Met	Ser	Asn	Met	Glu	Lys	His	Leu	Phe	Asn	Leu	Lys	Phe	Ala	Ala	
1				5					10					15	
Lys	Glu	Leu	Ser	Arg	Ser	Ala	Lys	Lys	Cys	Asp	Lys	Glu	Glu	Lys	
				20					25					30	
Ala	Glu	Lys	Ala	Lys	Ile	Lys	Lys	Ala	Ile	Gln	Lys	Gly	Asn	Met	
				35					40					45	
Glu	Val	Ala	Arg	Ile	His	Ala	Glu	Asn	Ala	Ile	Arg	Gln	Lys	Asn	
				50					55					60	
Gln	Ala	Val	Asn	Phe	Leu	Arg	Met	Ser	Ala	Arg	Val	Asp	Ala	Val	
				65					70					75	
Ala	Ala	Arg	Val	Gln	Thr	Ala	Val	Thr	Met	Gly	Lys	Val	Thr	Lys	
				80					85					90	
Ser	Met	Ala	Gly	Val	Val	Lys	Ser	Met	Asp	Ala	Thr	Leu	Lys	Thr	
				95					100					105	
Met	Asn	Leu	Glu	Lys	Ile	Ser	Ala	Leu	Met	Asp	Lys	Phe	Glu	His	
				110					115					120	
Gln	Phe	Glu	Thr	Leu	Asp	Val	Gln	Thr	Gln	Gln	Met	Glu	Asp	Thr	
				125					130					135	
Met	Ser	Ser	Thr	Thr	Thr	Leu	Thr	Thr	Pro	Gln	Asn	Gln	Val	Asp	
				140					145					150	
Met	Leu	Leu	Gln	Glu	Met	Ala	Asp	Glu	Ala	Gly	Leu	Asp	Leu	Asn	
				155					160					165	
Met	Glu	Leu	Pro	Gln	Gly	Gln	Thr	Gly	Ser	Val	Gly	Thr	Ser	Val	
				170					175					180	
Ala	Ser	Ala	Glu	Gln	Asp	Glu	Leu	Ser	Gln	Arg	Leu	Ala	Arg	Leu	

185 190 195

Arg Asp Gln Val

<210> 16
 <211> 168
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 058336CD1

<400> 16

Met	Ala	Phe	Asn	Asp	Cys	Phe	Ser	Leu	Asn	Tyr	Pro	Gly	Asn	Pro
1				5					10					15
Cys	Pro	Gly	Asp	Leu	Ile	Glu	Val	Phe	Arg	Pro	Gly	Tyr	Gln	His
				20					25					30
Trp	Ala	Leu	Tyr	Leu	Gly	Asp	Gly	Tyr	Val	Ile	Asn	Ile	Ala	Pro
				35					40					45
Val	Asp	Gly	Ile	Pro	Ala	Ser	Phe	Thr	Ser	Ala	Lys	Ser	Val	Phe
				50					55					60
Ser	Ser	Lys	Ala	Leu	Val	Lys	Met	Gln	Leu	Leu	Lys	Asp	Val	Val
				65					70					75
Gly	Asn	Asp	Thr	Tyr	Arg	Ile	Asn	Asn	Lys	Tyr	Asp	Glu	Thr	Tyr
				80					85					90
Pro	Pro	Leu	Pro	Val	Glu	Glu	Ile	Ile	Lys	Arg	Ser	Glu	Phe	Val
				95					100					105
Ile	Gly	Gln	Glu	Val	Ala	Tyr	Asn	Leu	Leu	Val	Asn	Asn	Cys	Glu
				110					115					120
His	Phe	Val	Thr	Leu	Leu	Arg	Tyr	Gly	Glu	Gly	Val	Ser	Glu	Gln
				125					130					135
Ala	Asn	Arg	Ala	Ile	Ser	Thr	Val	Glu	Phe	Val	Thr	Ala	Ala	Val
				140					145					150
Gly	Val	Phe	Ser	Phe	Leu	Gly	Leu	Phe	Pro	Lys	Gly	Gln	Arg	Ala
				155					160					165

Lys Tyr Tyr

<210> 17
 <211> 162
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1511488CD1

<400> 17

Met	Leu	Arg	Ala	Val	Gly	Ser	Leu	Leu	Arg	Leu	Gly	Arg	Gly	Leu
1				5					10					15
Thr	Val	Arg	Cys	Gly	Pro	Gly	Ala	Pro	Leu	Glu	Ala	Thr	Arg	Arg
				20					25					30
Pro	Ala	Pro	Ala	Leu	Pro	Pro	Arg	Gly	Leu	Pro	Cys	Tyr	Ser	Ser
				35					40					45
Gly	Gly	Ala	Pro	Ser	Asn	Ser	Gly	Pro	Gln	Gly	His	Gly	Glu	Ile
				50					55					60
His	Arg	Val	Pro	Thr	Gln	Arg	Arg	Pro	Ser	Gln	Phe	Asp	Lys	Lys
				65					70					75
Ile	Leu	Leu	Trp	Thr	Gly	Arg	Phe	Lys	Ser	Met	Glu	Glu	Ile	Pro
				80					85					90
Pro	Arg	Ile	Pro	Pro	Glu	Met	Ile	Asp	Thr	Ala	Arg	Asn	Lys	Ala
				95					100					105
Arg	Val	Lys	Ala	Cys	Tyr	Ile	Met	Ile	Gly	Leu	Thr	Ile	Ile	Ala
				110					115					120

Cys Phe Ala Val Ile Val Ser Ala Lys Arg Ala Val Glu Arg His
 125 130 135
 Glu Ser Leu Thr Ser Trp Asn Leu Ala Lys Lys Ala Lys Trp Arg
 140 145 150
 Glu Glu Ala Ala Leu Ala Ala Gln Ala Lys Ala Lys
 155 160

<210> 18
 <211> 246
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1638819CD1

<400> 18
 Met Ala Gly Tyr Leu Lys Leu Val Cys Val Ser Phe Gln Arg Gln
 1 5 10 15
 Gly Phe His Thr Val Gly Ser Arg Cys Lys Asn Arg Thr Gly Ala
 20 25 30
 Glu His Leu Trp Leu Thr Arg His Leu Arg Asp Pro Phe Val Lys
 35 40 45
 Ala Ala Lys Val Glu Ser Tyr Arg Cys Arg Ser Ala Phe Lys Leu
 50 55 60
 Leu Glu Val Asn Glu Arg His Gln Ile Leu Arg Pro Gly Leu Arg
 65 70 75
 Val Leu Asp Cys Gly Ala Ala Pro Gly Ala Trp Ser Gln Val Ala
 80 85 90
 Val Gln Lys Val Asn Ala Ala Gly Thr Asp Pro Ser Ser Pro Val
 95 100 105
 Gly Phe Val Leu Gly Val Asp Leu Leu His Ile Phe Pro Leu Glu
 110 115 120
 Gly Ala Thr Phe Leu Cys Pro Ala Asp Val Thr Asp Pro Arg Thr
 125 130 135
 Ser Gln Arg Ile Leu Glu Val Leu Pro Gly Arg Arg Ala Asp Val
 140 145 150
 Ile Leu Ser Asp Met Ala Pro Asn Ala Thr Gly Phe Arg Asp Leu
 155 160 165
 Asp His Asp Arg Leu Ile Ser Leu Cys Leu Thr Leu Leu Ser Val
 170 175 180
 Thr Pro Asp Ile Leu Gln Pro Gly Gly Thr Phe Leu Cys Lys Thr
 185 190 195
 Trp Ala Gly Ser Gln Ser Arg Arg Leu Gln Arg Arg Leu Thr Glu
 200 205 210
 Glu Phe Gln Asn Val Arg Ile Ile Lys Pro Glu Ala Ser Arg Lys
 215 220 225
 Glu Ser Ser Glu Val Tyr Phe Leu Ala Thr Gln Tyr His Gly Arg
 230 235 240
 Lys Gly Thr Val Lys Gln
 245

<210> 19
 <211> 483
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1655123CD1

<400> 19
 Met Glu Glu Gly Gly Gly Gly Val Arg Ser Leu Val Pro Gly Gly
 1 5 10 15
 Pro Val Leu Leu Val Leu Cys Gly Leu Leu Glu Ala Ser Gly Gly

	20		25		30
Gly Arg Ala Leu Pro	Gln Leu Ser Asp Asp	Ile Pro Phe Arg Val			
	35		40		45
Asn Trp Pro Gly Thr	Glu Phe Ser Leu Pro	Thr Thr Gly Val Leu			
	50		55		60
Tyr Lys Glu Asp Asn	Tyr Val Ile Met Thr	Thr Ala His Lys Glu			
	65		70		75
Lys Tyr Lys Cys Ile	Leu Pro Leu Val Thr	Ser Gly Asp Glu Glu			
	80		85		90
Glu Glu Lys Asp Tyr	Lys Gly Pro Asn Pro	Arg Glu Leu Leu Glu			
	95		100		105
Pro Leu Phe Lys Gln	Ser Ser Cys Ser Tyr	Arg Ile Glu Ser Tyr			
	110		115		120
Trp Thr Tyr Glu Val	Cys His Gly Lys His	Ile Arg Gln Tyr His			
	125		130		135
Glu Glu Lys Glu Thr	Gly Gln Lys Ile Asn	Ile His Glu Tyr Tyr			
	140		145		150
Leu Gly Asn Met Leu	Ala Lys Asn Leu Leu	Phe Glu Lys Glu Arg			
	155		160		165
Glu Ala Glu Glu Lys	Glu Lys Ser Asn Glu	Ile Pro Thr Lys Asn			
	170		175		180
Ile Glu Gly Gln Met	Thr Pro Tyr Tyr Pro	Val Gly Met Gly Asn			
	185		190		195
Gly Thr Pro Cys Ser	Leu Lys Gln Asn Arg	Pro Arg Ser Ser Thr			
	200		205		210
Val Met Tyr Ile Cys	His Pro Glu Ser Lys	His Glu Ile Leu Ser			
	215		220		225
Val Ala Glu Val Thr	Thr Cys Glu Tyr Glu	Val Val Ile Leu Thr			
	230		235		240
Pro Leu Leu Cys Ser	His Pro Lys Tyr Arg	Phe Arg Ala Ser Pro			
	245		250		255
Val Asn Asp Ile Phe	Cys Gln Ser Leu Pro	Gly Ser Pro Phe Lys			
	260		265		270
Pro Leu Thr Leu Arg	Gln Leu Glu Gln Gln	Glu Glu Ile Leu Arg			
	275		280		285
Val Pro Phe Arg Arg	Asn Lys Glu Glu Asp	Leu Gln Ser Thr Lys			
	290		295		300
Glu Glu Arg Phe Pro	Ala Ile His Lys Ser	Ile Ala Ile Gly Ser			
	305		310		315
Gln Pro Val Leu Thr	Val Gly Thr Thr His	Ile Ser Lys Leu Thr			
	320		325		330
Asp Asp Gln Leu Ile	Lys Glu Phe Leu Ser	Gly Ser Tyr Cys Phe			
	335		340		345
Arg Gly Gly Val Gly	Trp Trp Lys Tyr Glu	Phe Cys Tyr Gly Lys			
	350		355		360
His Val His Gln Tyr	His Glu Asp Lys Asp	Ser Gly Lys Thr Ser			
	365		370		375
Val Val Val Gly Thr	Trp Asn Gln Glu Glu	His Ile Glu Trp Ala			
	380		385		390
Lys Lys Asn Thr Ala	Arg Ala Tyr His Leu	Gln Asp Asp Gly Thr			
	395		400		405
Gln Thr Val Arg Met	Val Ser His Phe Tyr	Gly Asn Gly Asp Ile			
	410		415		420
Cys Asp Ile Thr Asp	Lys Pro Arg Gln Val	Thr Val Lys Leu Lys			
	425		430		435
Cys Lys Glu Ser Asp	Ser Pro His Ala Val	Thr Val Tyr Met Leu			
	440		445		450
Glu Pro His Ser Cys	Gln Tyr Ile Leu Gly	Val Glu Ser Pro Val			
	455		460		465
Ile Cys Lys Ile Leu	Asp Thr Ala Asp Glu	Asn Gly Leu Leu Ser			
	470		475		480
Leu Pro Asn					

<210> 20
 <211> 280
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2553926CD1

<400> 20
 Met Glu Ala Ala Glu Thr Glu Ala Glu Ala Ala Ala Leu Glu Val
 1 5 10 15
 Leu Ala Glu Val Ala Gly Ile Leu Glu Pro Val Gly Leu Gln Glu
 20 25 30
 Glu Ala Glu Leu Pro Ala Lys Ile Leu Val Glu Phe Val Val Asp
 35 40 45
 Ser Gln Lys Lys Asp Lys Leu Leu Cys Ser Gln Leu Gln Val Ala
 50 55 60
 Asp Phe Leu Gln Asn Ile Leu Ala Gln Glu Asp Thr Ala Lys Gly
 65 70 75
 Leu Asp Pro Leu Ala Ser Glu Asp Thr Ser Arg Gln Lys Ala Ile
 80 85 90
 Ala Ala Lys Glu Gln Trp Lys Glu Leu Lys Ala Thr Tyr Arg Glu
 95 100 105
 His Val Glu Ala Ile Lys Ile Gly Leu Thr Lys Ala Leu Thr Gln
 110 115 120
 Met Glu Glu Ala Gln Arg Lys Arg Thr Gln Leu Arg Glu Ala Phe
 125 130 135
 Glu Gln Leu Gln Ala Lys Lys Gln Met Ala Met Glu Lys Arg Arg
 140 145 150
 Ala Val Gln Asn Gln Trp Gln Leu Gln Gln Glu Lys His Leu Gln
 155 160 165
 His Leu Ala Glu Val Ser Ala Glu Val Arg Glu Arg Lys Thr Gly
 170 175 180
 Thr Gln Gln Glu Leu Asp Gly Val Phe Gln Lys Leu Gly Asn Leu
 185 190 195
 Lys Gln Gln Ala Glu Gln Glu Arg Asp Lys Leu Gln Arg Tyr Gln
 200 205 210
 Thr Phe Leu Gln Leu Leu Tyr Thr Leu Gln Gly Lys Leu Leu Phe
 215 220 225
 Pro Glu Ala Glu Ala Glu Ala Glu Asn Leu Pro Asp Asp Lys Pro
 230 235 240
 Gln Gln Pro Thr Arg Pro Gln Glu Gln Ser Thr Gly Asp Thr Met
 245 250 255
 Gly Arg Asp Pro Gly Val Ser Phe Lys Phe Ser Lys Ala Val Gly
 260 265 270
 Leu Gln Pro Ala Gly Asp Val Asn Leu Pro
 275 280

<210> 21
 <211> 425
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2800717CD1

<400> 21
 Met Gly Glu Asp Ala Ala Gln Ala Glu Lys Phe Gln His Pro Gly
 1 5 10 15
 Ser Asp Met Arg Gln Glu Lys Pro Ser Ser Pro Ser Pro Met Pro
 20 25 30
 Ser Ser Thr Pro Ser Pro Ser Leu Asn Leu Gly Asn Thr Glu Glu

	35		40		45
Ala Ile Arg Asp Asn Ser Gln Val Asn Ala Val Thr Val Leu Thr					
	50		55		60
Leu Leu Asp Lys Leu Val Asn Met Leu Asp Ala Val Gln Glu Asn					
	65		70		75
Gln His Lys Met Glu Gln Arg Gln Ile Ser Leu Glu Gly Ser Val					
	80		85		90
Lys Gly Ile Gln Asn Asp Leu Thr Lys Leu Ser Lys Tyr Gln Ala					
	95		100		105
Ser Thr Ser Asn Thr Val Ser Lys Leu Leu Glu Lys Ser Arg Lys					
	110		115		120
Val Ser Ala His Thr Arg Ala Val Lys Glu Arg Met Asp Arg Gln					
	125		130		135
Cys Ala Gln Val Lys Arg Leu Glu Asn Asn His Ala Gln Leu Leu					
	140		145		150
Arg Arg Asn His Phe Lys Val Leu Ile Phe Gln Glu Glu Asn Glu					
	155		160		165
Ile Pro Ala Ser Val Phe Val Lys Gln Pro Val Ser Gly Ala Val					
	170		175		180
Glu Gly Lys Glu Glu Leu Pro Asp Glu Asn Lys Ser Leu Glu Glu					
	185		190		195
Thr Leu His Thr Val Asp Leu Ser Ser Asp Asp Asp Leu Pro His					
	200		205		210
Asp Glu Glu Ala Leu Glu Asp Ser Ala Glu Glu Lys Val Glu Glu					
	215		220		225
Ser Arg Ala Glu Lys Ile Lys Arg Ser Ser Leu Lys Lys Val Asp					
	230		235		240
Ser Leu Lys Lys Ala Phe Ser Arg Gln Asn Ile Glu Lys Lys Met					
	245		250		255
Asn Lys Leu Gly Thr Lys Ile Val Ser Val Glu Arg Arg Glu Lys					
	260		265		270
Ile Lys Lys Ser Leu Thr Ser Asn His Gln Lys Ile Ser Ser Gly					
	275		280		285
Lys Ser Ser Pro Phe Lys Val Ser Pro Leu Thr Phe Gly Arg Lys					
	290		295		300
Lys Val Arg Glu Gly Glu Ser His Ala Glu Asn Glu Thr Lys Ser					
	305		310		315
Glu Asp Leu Pro Ser Ser Glu Gln Met Pro Asn Asp Gln Glu Glu					
	320		325		330
Glu Ser Phe Ala Glu Gly His Ser Glu Ala Ser Leu Ala Ser Ala					
	335		340		345
Leu Val Glu Gly Glu Ile Ala Glu Glu Ala Ala Glu Lys Ala Thr					
	350		355		360
Ser Arg Gly Ser Asn Ser Gly Met Asp Ser Asn Ile Asp Leu Thr					
	365		370		375
Ile Val Glu Asp Glu Glu Glu Glu Ser Val Ala Leu Glu Gln Ala					
	380		385		390
Gln Lys Val Arg Tyr Glu Gly Ser Tyr Ala Leu Thr Ser Glu Glu					
	395		400		405
Ala Glu Arg Ser Asp Gly Asp Pro Val Gln Pro Ala Val Leu Gln					
	410		415		420
Val His Gln Thr Ser					
	425				

<210> 22

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5664154CD1

<400> 22

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Met Glu Ser Lys Glu Glu Arg Ala Leu Asn Asn Leu Ile Val Glu
 1          5          10          15
Asn Val Asn Gln Glu Asn Asp Glu Lys Asp Glu Lys Glu Gln Val
          20          25          30
Ala Asn Lys Gly Glu Pro Leu Ala Leu Pro Leu Asn Val Ser Glu
          35          40          45
Tyr Cys Val Pro Arg Gly Asn Arg Arg Arg Phe Arg Val Arg Gln
          50          55          60
Pro Ile Leu Gln Tyr Arg Trp Asp Ile Met His Arg Leu Gly Glu
          65          70          75
Pro Gln Ala Arg Met Arg Glu Glu Asn Met Glu Arg Ile Gly Glu
          80          85          90
Glu Val Arg Gln Leu Met Glu Lys Leu Arg Glu Lys Gln Leu Ser
          95          100          105
His Ser Leu Arg Ala Val Ser Thr Asp Pro Pro His His Asp His
          110          115          120
His Asp Glu Phe Cys Leu Met Pro
          125

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<210> 23

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 017900CD1

<400> 23

```

Met Asp Gly Arg Val Gln Leu Ile Lys Ala Leu Leu Ala Leu Pro
 1          5          10          15
Ile Arg Pro Ala Thr Arg Arg Trp Arg Asn Pro Ile Pro Phe Pro
          20          25          30
Glu Thr Phe Asp Gly Asp Thr Asp Arg Leu Pro Glu Phe Ile Val
          35          40          45
Gln Thr Gly Ser Tyr Met Phe Val Asp Glu Asn Thr Phe Ser Ser
          50          55          60
Asp Ala Leu Lys Val Thr Phe Leu Ile Thr Arg Leu Thr Gly Pro
          65          70          75
Ala Leu Gln Trp Val Ile Pro Tyr Ile Lys Lys Glu Ser Pro Leu
          80          85          90
Leu Asn Asp Tyr Arg Gly Phe Leu Ala Glu Met Lys Arg Val Phe
          95          100          105
Gly Trp Glu Glu Asp Glu Asp Phe
          110

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<210> 24

<211> 308

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 035102CD1

<400> 24

```

Met Leu Gln Thr Pro Glu Ser Arg Gly Leu Pro Val Pro Gln Ala
 1          5          10          15
Glu Gly Glu Lys Asp Gly Gly His Asp Gly Glu Thr Arg Ala Pro
          20          25          30
Thr Ala Ser Gln Glu Arg Pro Lys Glu Glu Leu Gly Ala Gly Arg
          35          40          45
Glu Glu Gly Ala Ala Glu Pro Ala Leu Thr Arg Lys Gly Ala Arg
          50          55          60
Ala Leu Ala Ala Lys Ser Leu Ala Arg Arg Arg Ala Tyr Arg Arg

```

	65		70		75
Leu Asn Arg Thr	Val Ala Glu Leu Val	Gln Phe Leu Leu Val	Lys		
	80		85		90
Asp Lys Lys Lys	Ser Pro Ile Thr Arg	Ser Glu Met Val Lys	Tyr		
	95		100		105
Val Ile Gly Asp	Leu Lys Ile Leu Phe	Pro Asp Ile Ile Ala	Arg		
	110		115		120
Ala Ala Glu His	Leu Arg Tyr Val Phe	Gly Phe Glu Leu Lys	Gln		
	125		130		135
Phe Asp Arg Lys	His His Thr Tyr Ile	Leu Ile Asn Lys Leu	Lys		
	140		145		150
Pro Leu Glu Glu	Glu Glu Glu Glu Glu	Asp Leu Gly Gly Asp	Gly		
	155		160		165
Pro Arg Leu Gly	Leu Leu Met Met Ile	Leu Gly Leu Ile Tyr	Met		
	170		175		180
Arg Gly Asn Ser	Ala Arg Glu Ala Gln	Val Trp Glu Met Leu	Arg		
	185		190		195
Arg Leu Gly Val	Gln Pro Ser Lys Tyr	His Phe Leu Phe Gly	Tyr		
	200		205		210
Pro Lys Arg Leu	Ile Met Glu Asp Phe	Val Gln Gln Arg Tyr	Leu		
	215		220		225
Ser Tyr Arg Arg	Val Pro His Thr Asn	Pro Pro Ala Tyr Glu	Phe		
	230		235		240
Ser Trp Gly Pro	Arg Ser Asn Leu Glu	Ile Ser Lys Met Glu	Val		
	245		250		255
Leu Gly Phe Val	Ala Lys Leu His Lys	Lys Glu Pro Gln His	Trp		
	260		265		270
Pro Val Gln Tyr	Arg Glu Ala Leu Ala	Asp Glu Ala Asp Arg	Ala		
	275		280		285
Arg Ala Lys Ala	Arg Ala Glu Ala Ser	Met Arg Ala Arg Ala	Ser		
	290		295		300
Ala Arg Ala Gly	Ile His Leu Trp				
	305				

<210> 25

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 259983CD1

<400> 25

Met Phe Gly Phe	His Lys Pro Lys Met	Tyr Arg Ser Ile Glu Gly		
1	5	10	15	
Cys Cys Ile Cys	Arg Ala Lys Ser Ser	Ser Ser Arg Phe Thr Asp		
	20	25	30	
Ser Lys Arg Tyr	Glu Lys Asp Phe Gln	Ser Cys Phe Gly Leu His		
	35	40	45	
Glu Thr Arg Ser	Gly Asp Ile Cys Asn	Ala Cys Val Leu Leu Val		
	50	55	60	
Lys Arg Trp Lys	Lys Leu Pro Ala Gly	Ser Lys Lys Asn Trp Asn		
	65	70	75	
His Val Val Asp	Ala Arg Ala Gly Pro	Ser Leu Lys Thr Thr Leu		
	80	85	90	
Lys Pro Lys Lys	Val Lys Thr Leu Ser	Gly Asn Arg Ile Lys Ser		
	95	100	105	
Asn Gln Ile Ser	Lys Leu Gln Lys Glu	Phe Lys Arg His Asn Ser		
	110	115	120	
Asp Ala His Ser	Thr Ser Ser Ala Ser	Pro Ala Gln Ser Pro		
	125	130	135	
Cys Tyr Ser Asn	Gln Ser Asp Asp Gly	Ser Asp Thr Glu Met Ala		
	140	145	150	

Ser	Gly	Ser	Asn	Arg	Thr	Pro	Val	Phe	Ser	Phe	Leu	Asp	Leu	Thr
				155					160					165
Tyr	Trp	Lys	Arg	Gln	Lys	Ile	Cys	Cys	Gly	Ile	Ile	Tyr	Lys	Gly
				170					175					180
Arg	Phe	Gly	Glu	Val	Leu	Ile	Asp	Thr	His	Leu	Phe	Lys	Pro	Cys
				185					190					195
Cys	Ser	Asn	Lys	Lys	Ala	Ala	Ala	Glu	Lys	Pro	Glu	Glu	Gln	Gly
				200					205					210
Pro	Glu	Pro	Leu	Pro	Ile	Ser	Thr	Gln	Glu	Trp				
				215					220					

<210> 26

<211> 402

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 926810CD1

<400> 26

Met	Ala	Ser	Ile	Ile	Ala	Arg	Val	Gly	Asn	Ser	Arg	Arg	Leu	Asn
1				5					10					15
Ala	Pro	Leu	Pro	Pro	Trp	Ala	His	Ser	Met	Leu	Arg	Ser	Leu	Gly
				20					25					30
Arg	Ser	Leu	Gly	Pro	Ile	Met	Ala	Ser	Met	Ala	Asp	Arg	Asn	Met
				35					40					45
Lys	Leu	Phe	Ser	Gly	Arg	Val	Val	Pro	Ala	Gln	Gly	Glu	Glu	Thr
				50					55					60
Phe	Glu	Asn	Trp	Leu	Thr	Gln	Val	Asn	Gly	Val	Leu	Pro	Asp	Trp
				65					70					75
Asn	Met	Ser	Glu	Glu	Glu	Lys	Leu	Lys	Arg	Leu	Met	Lys	Thr	Leu
				80					85					90
Arg	Gly	Pro	Ala	Arg	Glu	Val	Met	Arg	Val	Leu	Gln	Ala	Thr	Asn
				95					100					105
Pro	Asn	Leu	Ser	Val	Ala	Asp	Phe	Leu	Arg	Ala	Met	Lys	Leu	Val
				110					115					120
Phe	Gly	Glu	Ser	Glu	Ser	Ser	Val	Thr	Ala	His	Gly	Lys	Phe	Phe
				125					130					135
Asn	Thr	Leu	Gln	Ala	Gln	Gly	Glu	Lys	Ala	Ser	Leu	Tyr	Val	Ile
				140					145					150
Arg	Leu	Glu	Val	Gln	Leu	Gln	Asn	Ala	Ile	Gln	Ala	Gly	Ile	Ile
				155					160					165
Ala	Glu	Lys	Asp	Ala	Asn	Arg	Thr	Arg	Leu	Gln	Gln	Leu	Leu	Leu
				170					175					180
Gly	Gly	Glu	Leu	Ser	Arg	Asp	Leu	Arg	Leu	Arg	Leu	Lys	Asp	Phe
				185					190					195
Leu	Arg	Met	Tyr	Ala	Asn	Glu	Gln	Glu	Arg	Leu	Pro	Asn	Phe	Leu
				200					205					210
Glu	Leu	Ile	Arg	Met	Val	Arg	Glu	Glu	Glu	Asp	Trp	Asp	Asp	Ala
				215					220					225
Phe	Ile	Lys	Arg	Lys	Arg	Pro	Lys	Arg	Ser	Glu	Ser	Met	Val	Glu
				230					235					240
Arg	Ala	Val	Ser	Pro	Val	Ala	Phe	Gln	Gly	Ser	Pro	Pro	Ile	Val
				245					250					255
Ile	Gly	Ser	Ala	Asp	Cys	Asn	Val	Ile	Glu	Ile	Asp	Asp	Thr	Leu
				260					265					270
Asp	Asp	Ser	Asp	Glu	Asp	Val	Ile	Leu	Val	Glu	Ser	Gln	Asp	Pro
				275					280					285
Pro	Leu	Pro	Ser	Trp	Gly	Ala	Pro	Pro	Leu	Arg	Asp	Arg	Ala	Arg
				290					295					300
Pro	Gln	Asp	Glu	Val	Leu	Val	Ile	Asp	Ser	Pro	His	Asn	Ser	Arg
				305					310					315
Ala	Gln	Phe	Pro	Ser	Thr	Ser	Gly	Gly	Ser	Gly	Tyr	Lys	Asn	Asn

	320		325		330
Gly Pro Gly Glu Met Arg Arg Ala Arg Lys Arg Lys His Thr Ile					
	335		340		345
Arg Cys Ser Tyr Cys Gly Glu Glu Gly His Ser Lys Glu Thr Cys					
	350		355		360
Asp Asn Glu Ser Asp Lys Ala Gln Val Phe Glu Asn Leu Ile Ile					
	365		370		375
Thr Leu Gln Glu Leu Thr His Thr Glu Met Glu Arg Ser Arg Val					
	380		385		390
Ala Pro Gly Glu Tyr Asn Asp Phe Ser Glu Pro Leu					
	395		400		

<210> 27

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1398816CD1

<400> 27

Met Ser Thr Asp Thr Gly Val Ser Leu Pro Ser Tyr Glu Glu Asp					
1 5 10 15					
Gln Gly Ser Lys Leu Ile Arg Lys Ala Lys Glu Ala Pro Phe Val					
20 25 30					
Pro Val Gly Ile Ala Gly Phe Ala Ala Ile Val Ala Tyr Gly Leu					
35 40 45					
Tyr Lys Leu Lys Ser Arg Gly Asn Thr Lys Met Ser Ile His Leu					
50 55 60					
Ile His Met Arg Val Ala Ala Gln Gly Phe Val Val Gly Ala Met					
65 70 75					
Thr Val Gly Met Gly Tyr Ser Met Tyr Arg Glu Phe Trp Ala Lys					
80 85 90					
Pro Lys Pro					

<210> 28

<211> 353

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1496820CD1

<400> 28

Met Asn Arg Glu Asp Arg Asn Val Leu Arg Met Lys Glu Arg Glu					
1 5 10 15					
Arg Arg Asn Gln Glu Ile Gln Gln Gly Glu Asp Ala Phe Pro Pro					
20 25 30					
Ser Ser Pro Leu Phe Ala Glu Pro Tyr Lys Val Thr Ser Lys Glu					
35 40 45					
Asp Lys Leu Ser Ser Arg Ile Gln Ser Met Leu Gly Asn Tyr Asp					
50 55 60					
Glu Met Lys Asp Phe Ile Gly Asp Arg Ser Ile Pro Lys Leu Val					
65 70 75					
Ala Ile Pro Lys Pro Thr Val Pro Pro Ser Ala Asp Glu Lys Ser					
80 85 90					
Asn Pro Asn Phe Phe Glu Gln Arg His Gly Gly Ser His Gln Ser					
95 100 105					
Ser Lys Trp Thr Val Gly Pro Ala Pro Ser Thr Ser Gln Ser					
110 115 120					
Gln Lys Arg Ser Ser Gly Leu Gln Ser Gly His Ser Ser Gln Arg					
125 130 135					

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Thr Ser Ala Gly Ser Ser Ser Gly Thr Asn Ser Ser Gly Gln Arg
140 145 150
His Asp Arg Glu Ser Tyr Asn Asn Ser Gly Ser Ser Ser Arg Lys
155 160 165
Lys Gly Gln His Gly Ser Glu His Ser Lys Ser Arg Ser Ser Ser
170 175 180
Pro Gly Lys Pro Gln Ala Val Ser Ser Leu Asn Ser Ser His Ser
185 190 195
Arg Ser His Gly Asn Asp His His Ser Lys Glu His Gln Arg Ser
200 205 210
Lys Ser Pro Arg Asp Pro Asp Ala Asn Trp Asp Ser Pro Ser Arg
215 220 225
Val Pro Phe Ser Ser Gly Gln His Ser Thr Gln Ser Phe Pro Pro
230 235 240
Ser Leu Met Ser Lys Ser Asn Ser Met Leu Gln Lys Pro Thr Ala
245 250 255
Tyr Val Arg Pro Met Asp Gly Gln Glu Ser Met Glu Pro Lys Leu
260 265 270
Ser Ser Glu His Tyr Ser Ser Gln Ser His Gly Asn Ser Met Thr
275 280 285
Glu Leu Lys Pro Ser Ser Lys Ala His Leu Thr Lys Leu Lys Ile
290 295 300
Pro Ser Gln Pro Leu Asp Ala Ser Ala Ser Gly Asp Val Ser Cys
305 310 315
Val Asp Glu Ile Leu Lys Glu Met Thr His Ser Trp Pro Pro Pro
320 325 330
Leu Thr Ala Ile His Thr Pro Cys Lys Thr Glu Pro Ser Lys Phe
335 340 345
Pro Phe Pro Thr Lys Val Ser Lys
350

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<210> 29
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1514559CD1

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<400> 29
Met Ser Glu Pro Ala Gly Asp Val Arg Gln Asn Pro Cys Gly Ser
1 5 10 15
Lys Ala Cys Arg Arg Leu Phe Gly Pro Val Asp Ser Glu Gln Leu
20 25 30
Ser Arg Asp Cys Asp Ala Leu Met Ala Gly Cys Ile Gln Glu Ala
35 40 45
Arg Glu Arg Trp Asn Phe Asp Phe Val Thr Glu Thr Pro Leu Glu
50 55 60
Gly Asp Phe Ala Trp Glu Arg Val Arg Gly Leu Gly Leu Pro Lys
65 70 75
Leu Tyr Leu Pro Thr Trp Ser Ala Gly Trp Tyr Pro Leu Glu Gly
80 85 90
Cys Gly Ser Phe Pro Ser Leu Ser Gln Ala Val Met Lys Phe Thr
95 100 105
Pro Phe Pro Gly His Ser Asp Leu Asn Ser Phe Ser Phe Glu Lys
110 115 120

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<210> 30
 <211> 144
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1620092CD1

<400> 30

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Met Arg Ser Cys Phe Arg Leu Cys Glu Arg Asp Val Ser Ser Ser
 1          5          10          15
Leu Arg Leu Thr Arg Ser Ser Asp Leu Lys Arg Ile Asn Gly Phe
          20          25          30
Cys Thr Lys Pro Gln Glu Ser Pro Gly Ala Pro Ser Arg Thr Tyr
          35          40          45
Asn Arg Val Pro Leu His Lys Pro Thr Asp Trp Gln Lys Lys Ile
          50          55          60
Leu Ile Trp Ser Gly Arg Phe Lys Lys Glu Asp Glu Ile Pro Glu
          65          70          75
Thr Val Ser Leu Glu Met Leu Asp Ala Ala Lys Asn Lys Met Arg
          80          85          90
Val Lys Ile Ser Tyr Leu Met Ile Ala Leu Thr Val Val Gly Cys
          95          100          105
Ile Phe Met Val Ile Glu Gly Lys Lys Ala Ala Gln Arg His Glu
          110          115          120
Thr Leu Thr Ser Leu Asn Leu Glu Lys Lys Ala Arg Leu Lys Glu
          125          130          135
Glu Ala Ala Met Lys Ala Lys Thr Glu
          140

```

<210> 31

<211> 933

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1678765CD1

<400> 31

```

Met Phe Tyr Leu Glu Asp Asp Lys Glu Asp Glu Val Val Cys Lys
 1          5          10          15
Gly Ser Leu Ser Lys Thr Gln Asp Val Tyr His Asp Lys Ser Pro
          20          25          30
Pro Gly Ile Leu Ser Gln Thr Met Asn Tyr Val Gly Gln Leu Ala
          35          40          45
Gly Gln Val Ile Val Thr Val Lys Glu Leu Tyr Lys Gly Ile Asn
          50          55          60
Gln Ala Thr Leu Ser Gly Cys Ile Asp Val Ile Val Val Gln Gln
          65          70          75
Gln Asp Gly Ser Tyr Gln Cys Ser Pro Phe His Val Arg Phe Gly
          80          85          90
Lys Leu Gly Val Leu Arg Ser Lys Glu Lys Val Ile Asp Ile Glu
          95          100          105
Ile Asn Gly Ser Ala Val Asp Leu His Met Lys Leu Gly Asp Asn
          110          115          120
Gly Glu Ala Phe Phe Val Glu Glu Thr Glu Glu Glu Tyr Glu Lys
          125          130          135
Leu Pro Ala Tyr Leu Ala Thr Ser Pro Ile Pro Thr Glu Asp Gln
          140          145          150
Phe Phe Lys Asp Ile Asp Thr Pro Leu Val Lys Ser Gly Gly Asp
          155          160          165
Glu Thr Pro Ser Gln Ser Ser Asp Ile Ser His Val Leu Glu Thr
          170          175          180
Glu Thr Ile Phe Thr Pro Ser Ser Val Lys Lys Lys Arg Arg
          185          190          195
Arg Lys Lys Tyr Lys Gln Asp Ser Lys Lys Glu Glu Gln Ala Ala
          200          205          210
Ser Ala Ala Ala Glu Asp Thr Cys Asp Val Gly Val Ser Ser Asp

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	215		220		225
Asp Asp Lys Gly	Ala Gln Ala Ala Arg	Gly Ser Ser Asn Ala	Ser		
	230		235		240
Leu Lys Glu Glu	Glu Cys Lys Glu Pro	Leu Leu Phe His Ser	Gly		
	245		250		255
Asp His Tyr Pro	Leu Ser Asp Gly Asp	Trp Ser Pro Leu Glu	Thr		
	260		265		270
Thr Tyr Pro Gln	Thr Ala Cys Pro Lys	Ser Asp Ser Glu Leu	Glu		
	275		280		285
Val Lys Pro Ala	Glu Ser Leu Leu Arg	Ser Glu Tyr His Met	Glu		
	290		295		300
Trp Thr Trp Gly	Gly Phe Pro Glu Ser	Thr Lys Val Ser Lys	Arg		
	305		310		315
Glu Arg Ser Asp	His His Pro Arg Thr	Ala Thr Ile Thr Pro	Ser		
	320		325		330
Glu Asn Thr His	Phe Arg Val Ile Pro	Ser Glu Asp Asn Leu	Ile		
	335		340		345
Ser Glu Val Glu	Lys Asp Ala Ser Met	Glu Asp Thr Val Cys	Thr		
	350		355		360
Ile Val Lys Pro	Lys Pro Arg Ala Leu	Gly Thr Gln Met Ser	Asp		
	365		370		375
Pro Thr Ser Val	Ala Glu Leu Leu Glu	Pro Pro Leu Glu Ser	Thr		
	380		385		390
Gln Ile Ser Ser	Met Leu Asp Ala Asp	His Leu Pro Asn Ala	Ala		
	395		400		405
Leu Ala Glu Ala	Pro Ser Glu Ser Lys	Pro Ala Ala Lys Val	Asp		
	410		415		420
Ser Pro Ser Lys	Lys Lys Gly Val His	Lys Arg Ile Gln His	Gln		
	425		430		435
Gly Pro Asp Asp	Ile Tyr Leu Asp Asp	Leu Lys Gly Leu Glu	Pro		
	440		445		450
Glu Val Ala Ala	Leu Tyr Phe Pro Lys	Ser Glu Ser Glu Pro	Gly		
	455		460		465
Ser Arg Gln Trp	Pro Glu Ser Asp Thr	Leu Ser Gly Ser Gln	Ser		
	470		475		480
Pro Gln Ser Val	Gly Ser Ala Ala Ala	Asp Ser Gly Thr Glu	Cys		
	485		490		495
Leu Ser Asp Ser	Ala Met Asp Leu Pro	Asp Val Thr Leu Ser	Leu		
	500		505		510
Cys Gly Gly Leu	Ser Glu Asn Gly Lys	Ile Ser Lys Glu Lys	Phe		
	515		520		525
Met Glu His Ile	Ile Thr Tyr His Glu	Phe Ala Glu Asn Pro	Gly		
	530		535		540
Leu Ile Asp Asn	Pro Asn Leu Val Ile	Arg Ile Tyr Asn Arg	Tyr		
	545		550		555
Tyr Asn Trp Ala	Leu Ala Ala Pro Met	Ile Leu Ser Leu Gln	Val		
	560		565		570
Phe Gln Lys Ser	Leu Pro Lys Ala Thr	Val Glu Ser Trp Val	Lys		
	575		580		585
Asp Lys Met Pro	Lys Lys Ser Gly Arg	Trp Trp Phe Trp Arg	Lys		
	590		595		600
Arg Glu Ser Met	Thr Lys Gln Leu Pro	Glu Ser Lys Glu Gly	Lys		
	605		610		615
Ser Glu Ala Pro	Pro Ala Ser Asp Leu	Pro Ser Ser Ser Lys	Glu		
	620		625		630
Pro Ala Gly Ala	Arg Pro Ala Glu Asn	Asp Ser Ser Ser Asp	Glu		
	635		640		645
Gly Ser Gln Glu	Leu Glu Glu Ser Ile	Thr Val Asp Pro Ile	Pro		
	650		655		660
Thr Glu Pro Leu	Ser His Gly Ser Thr	Thr Ser Tyr Lys Lys	Ser		
	665		670		675
Leu Arg Leu Ser	Ser Asp Gln Ile Ala	Lys Leu Lys Leu His	Asp		
	680		685		690

Gly Pro Asn Asp Val Val Phe Ser Ile Thr Thr Gln Tyr Gln Gly
 695 700 705
 Thr Cys Arg Cys Ala Gly Thr Ile Tyr Leu Trp Asn Trp Asn Asp
 710 715 720
 Lys Ile Ile Ile Ser Asp Ile Asp Gly Thr Ile Thr Lys Ser Asp
 725 730 735
 Ala Leu Gly Gln Ile Leu Pro Gln Leu Gly Lys Asp Trp Thr His
 740 745 750
 Gln Gly Ile Ala Lys Leu Tyr His Ser Ile Asn Glu Asn Gly Tyr
 755 760 765
 Lys Phe Leu Tyr Cys Ser Ala Arg Ala Ile Gly Met Ala Asp Met
 770 775 780
 Thr Arg Gly Tyr Leu His Trp Val Asn Asp Lys Gly Thr Ile Leu
 785 790 795
 Pro Arg Gly Pro Leu Met Leu Ser Pro Ser Ser Leu Phe Ser Ala
 800 805 810
 Phe His Arg Glu Val Ile Glu Lys Lys Pro Glu Lys Phe Lys Ile
 815 820 825
 Glu Cys Leu Asn Asp Ile Lys Asn Leu Phe Ala Pro Ser Lys Gln
 830 835 840
 Pro Phe Tyr Ala Ala Phe Gly Asn Arg Pro Asn Asp Val Tyr Ala
 845 850 855
 Tyr Thr Gln Val Gly Val Pro Asp Cys Arg Ile Phe Thr Val Asn
 860 865 870
 Pro Lys Gly Glu Leu Ile Gln Glu Arg Thr Lys Gly Asn Lys Ser
 875 880 885
 Ser Tyr His Arg Leu Ser Glu Leu Val Glu His Val Phe Pro Leu
 890 895 900
 Leu Ser Lys Glu Gln Asn Ser Ala Phe Pro Cys Pro Glu Phe Ser
 905 910 915
 Ser Phe Cys Tyr Trp Arg Asp Pro Ile Pro Glu Val Asp Leu Asp
 920 925 930
 Asp Leu Ser

<210> 32

<211> 268

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1708229CD1

<400> 32

Met Leu Gly Asp His Cys Ser Leu Pro Glu Asp Gln Ala Arg Pro
 1 5 10 15
 Gly Gln Ser Leu Gln Ser Gly Leu Cys Cys Lys Met Val Leu Gln
 20 25 30
 Ala Val Ser Lys Val Leu Arg Lys Ser Lys Ala Lys Pro Asn Gly
 35 40 45
 Lys Lys Pro Ala Ala Glu Glu Arg Lys Ala Tyr Leu Glu Pro Glu
 50 55 60
 His Thr Lys Ala Arg Ile Thr Asp Phe Gln Phe Lys Glu Leu Val
 65 70 75
 Val Leu Pro Arg Glu Ile Asp Leu Asn Glu Trp Leu Ala Ser Asn
 80 85 90
 Thr Thr Thr Phe Phe His His Ile Asn Leu Gln Tyr Ser Thr Ile
 95 100 105
 Ser Glu Phe Cys Thr Gly Glu Thr Cys Gln Thr Met Ala Val Cys
 110 115 120
 Asn Thr Gln Tyr Tyr Trp Tyr Asp Glu Arg Gly Lys Lys Val Lys
 125 130 135
 Cys Thr Ala Pro Gln Tyr Val Asp Phe Val Met Ser Ser Val Gln

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140      145      150
Lys Leu Val Thr Asp Glu Asp Val Phe Pro Thr Lys Tyr Gly Arg
155      160      165
Glu Phe Pro Ser Ser Phe Glu Ser Leu Val Arg Lys Ile Cys Arg
170      175      180
His Leu Phe His Val Leu Ala His Ile Tyr Trp Ala His Phe Lys
185      190      195
Glu Thr Leu Ala Leu Glu Leu His Gly His Leu Asn Thr Leu Tyr
200      205      210
Val His Phe Ile Leu Phe Ala Arg Glu Phe Asn Leu Leu Asp Pro
215      220      225
Lys Glu Thr Ala Ile Met Asp Asp Leu Thr Glu Val Leu Cys Ser
230      235      240
Gly Ala Gly Gly Val His Ser Gly Gly Ser Gly Asp Gly Ala Gly
245      250      255
Ser Gly Gly Pro Gly Ala Gln Asn His Val Lys Glu Arg
260      265
<210> 33'
<211> 337
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 1806454CD1

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<400> 33
Met Leu Leu Gly Leu Ala Ala Met Glu Leu Lys Val Trp Val Asp
1      5      10      15
Gly Ile Gln Arg Val Val Cys Gly Val Ser Glu Gln Thr Thr Cys
20      25      30
Gln Glu Val Val Ile Ala Leu Ala Gln Ala Ile Gly Gln Thr Gly
35      40      45
Arg Phe Val Leu Val Gln Arg Leu Arg Glu Lys Glu Arg Gln Leu
50      55      60
Leu Pro Gln Glu Cys Pro Val Gly Ala Gln Ala Thr Cys Gly Gln
65      70      75
Phe Ala Ser Asp Val Gln Phe Val Leu Arg Arg Thr Gly Pro Ser
80      85      90
Leu Ala Gly Arg Pro Ser Ser Asp Ser Cys Pro Pro Pro Glu Arg
95      100     105
Cys Leu Ile Arg Ala Ser Leu Pro Val Lys Pro Arg Ala Ala Leu
110     115     120
Gly Cys Glu Pro Arg Lys Thr Leu Thr Pro Glu Pro Ala Pro Ser
125     130     135
Leu Ser Arg Pro Gly Pro Ala Ala Pro Val Thr Pro Thr Pro Gly
140     145     150
Cys Cys Thr Asp Leu Arg Gly Leu Glu Leu Arg Val Gln Arg Asn
155     160     165
Ala Glu Glu Leu Gly His Glu Ala Phe Trp Glu Gln Glu Leu Arg
170     175     180
Arg Glu Gln Ala Arg Glu Arg Glu Gly Gln Ala Arg Leu Gln Ala
185     190     195
Leu Ser Ala Ala Thr Ala Glu His Ala Ala Arg Leu Gln Ala Leu
200     205     210
Asp Ala Gln Ala Arg Ala Leu Glu Ala Glu Leu Gln Leu Ala Ala
215     220     225
Glu Ala Pro Gly Pro Pro Ser Pro Met Ala Ser Ala Thr Glu Arg
230     235     240
Leu His Gln Asp Leu Ala Val Gln Glu Arg Gln Ser Ala Glu Val
245     250     255
Gln Gly Ser Leu Ala Leu Val Ser Arg Ala Leu Glu Ala Ala Glu
260     265     270

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Arg	Ala	Leu	Gln	Ala	Gln	Ala	Gln	Glu	Leu	Glu	Glu	Leu	Asn	Arg	
				275					280					285	
Glu	Leu	Arg	Gln	Cys	Asn	Leu	Gln	Gln	Phe	Ile	Gln	Gln	Thr	Gly	
				290					295					300	
Ala	Ala	Leu	Pro	Pro	Pro	Pro	Arg	Pro	Asp	Arg	Gly	Pro	Pro	Gly	
				305					310					315	
Thr	Gln	Val	Gly	Val	Val	Leu	Gly	Gly	Gly	Trp	Glu	Val	Arg	Thr	
				320					325					330	
Trp	Pro	Ser	Pro	Thr	Pro	Ser									
				335											

<210> 34

<211> 565

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1806850CD1

<400> 34

Met	Lys	Glu	Glu	Glu	Glu	Val	Phe	Gln	Pro	Met	Leu	Met	Glu	Tyr	
1				5					10					15	
Phe	Thr	Tyr	Glu	Glu	Leu	Lys	Tyr	Ile	Lys	Lys	Lys	Val	Ile	Ala	
				20					25					30	
Gln	His	Cys	Ser	Gln	Lys	Asp	Thr	Ala	Glu	Leu	Leu	Arg	Gly	Leu	
				35					40					45	
Ser	Leu	Trp	Asn	His	Ala	Glu	Glu	Arg	Gln	Lys	Phe	Phe	Lys	Tyr	
				50					55					60	
Ser	Val	Asp	Glu	Lys	Ser	Asp	Lys	Glu	Ala	Glu	Val	Ser	Glu	His	
				65					70					75	
Ser	Thr	Gly	Ile	Thr	His	Leu	Pro	Pro	Glu	Val	Met	Leu	Ser	Ile	
				80					85					90	
Phe	Ser	Tyr	Leu	Asn	Pro	Gln	Glu	Leu	Cys	Arg	Cys	Ser	Gln	Val	
				95					100					105	
Ser	Met	Lys	Trp	Ser	Gln	Leu	Thr	Lys	Thr	Gly	Ser	Leu	Trp	Lys	
				110					115					120	
His	Leu	Tyr	Pro	Val	His	Trp	Ala	Arg	Gly	Asp	Trp	Tyr	Ser	Gly	
				125					130					135	
Pro	Ala	Thr	Glu	Leu	Asp	Thr	Glu	Pro	Asp	Asp	Glu	Trp	Val	Lys	
				140					145					150	
Asn	Arg	Lys	Asp	Glu	Ser	Arg	Ala	Phe	His	Glu	Trp	Asp	Glu	Asp	
				155					160					165	
Ala	Asp	Ile	Asp	Glu	Ser	Glu	Glu	Ser	Ala	Glu	Glu	Ser	Ile	Ala	
				170					175					180	
Ile	Ser	Ile	Ala	Gln	Met	Glu	Lys	Arg	Leu	Leu	His	Gly	Leu	Ile	
				185					190					195	
His	Asn	Val	Leu	Pro	Tyr	Val	Gly	Thr	Ser	Val	Lys	Thr	Leu	Val	
				200					205					210	
Leu	Ala	Tyr	Ser	Ser	Ala	Val	Ser	Ser	Lys	Met	Val	Arg	Gln	Ile	
				215					220					225	
Leu	Glu	Leu	Cys	Pro	Asn	Leu	Glu	His	Leu	Asp	Leu	Thr	Gln	Thr	
				230					235					240	
Asp	Ile	Ser	Asp	Ser	Ala	Phe	Asp	Ser	Trp	Ser	Trp	Leu	Gly	Cys	
				245					250					255	
Cys	Gln	Ser	Leu	Arg	His	Leu	Asp	Leu	Ser	Gly	Cys	Glu	Lys	Ile	
				260					265					270	
Thr	Asp	Val	Ala	Leu	Glu	Lys	Ile	Ser	Arg	Ala	Leu	Gly	Ile	Leu	
				275					280					285	
Thr	Ser	His	Gln	Ser	Gly	Phe	Leu	Lys	Thr	Ser	Thr	Ser	Lys	Ile	
				290					295					300	
Thr	Ser	Thr	Ala	Trp	Lys	Asn	Lys	Asp	Ile	Thr	Met	Gln	Ser	Thr	
				305					310					315	
Lys	Gln	Tyr	Ala	Cys	Leu	His	Asp	Leu	Thr	Asn	Lys	Gly	Ile	Gly	

	320		325		330
Glu Glu Ile Asp	Asn Glu His Pro Trp	Thr Lys Pro Val Ser	Ser		
	335		340		345
Glu Asn Phe Thr	Ser Pro Tyr Val Trp	Met Leu Asp Ala Glu	Asp		
	350		355		360
Leu Ala Asp Ile	Glu Asp Thr Val Glu	Trp Arg His Arg Asn	Val		
	365		370		375
Glu Ser Leu Cys	Val Met Glu Thr Ala	Ser Asn Phe Ser Cys	Ser		
	380		385		390
Thr Ser Gly Cys	Phe Ser Lys Asp Ile	Val Gly Leu Arg Thr	Ser		
	395		400		405
Val Cys Trp Gln	Gln His Cys Ala Ser	Pro Ala Phe Ala Tyr	Cys		
	410		415		420
Gly His Ser Phe	Cys Cys Thr Gly Thr	Ala Leu Arg Thr Met	Ser		
	425		430		435
Ser Leu Pro Glu	Ser Ser Ala Met Cys	Arg Lys Ala Ala Arg	Thr		
	440		445		450
Arg Leu Pro Arg	Gly Lys Asp Leu Ile	Tyr Phe Gly Ser Glu	Lys		
	455		460		465
Ser Asp Gln Glu	Thr Gly Arg Val Leu	Leu Phe Leu Ser Leu	Ser		
	470		475		480
Gly Cys Tyr Gln	Ile Thr Asp His Gly	Leu Arg Val Leu Thr	Leu		
	485		490		495
Gly Gly Gly Leu	Pro Tyr Leu Glu His	Leu Asn Leu Ser Gly	Cys		
	500		505		510
Leu Thr Ile Thr	Gly Ala Gly Leu Gln	Asp Leu Val Ser Ala	Cys		
	515		520		525
Pro Ser Leu Asn	Asp Glu Tyr Phe Tyr	Tyr Cys Asp Asn Ile	Asn		
	530		535		540
Gly Pro His Ala	Asp Thr Ala Ser Gly	Cys Gln Asn Leu Gln	Cys		
	545		550		555
Gly Phe Arg Ala	Cys Cys Arg Ser Gly	Glu			
	560		565		

<210> 35

<211> 228

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1851534CD1

<400> 35

Met Asp Phe Ser Phe	Ser Phe Met Gln Gly	Ile Met Gly Asn Thr	
1	5	10	15
Ile Gln Gln Pro Pro	Gln Leu Ile Asp Ser	Ala Asn Ile Arg Gln	
	20	25	30
Glu Asp Ala Phe Asp	Asn Asn Ser Asp Ile	Ala Glu Asp Gly Gly	
	35	40	45
Gln Thr Pro Tyr Glu	Ala Thr Leu Gln Gln	Gly Phe Gln Tyr Pro	
	50	55	60
Ala Thr Thr Glu Asp	Leu Pro Pro Leu Thr	Asn Gly Tyr Pro Ser	
	65	70	75
Ser Ile Ser Val Tyr	Glu Thr Gln Thr Lys	Tyr Gln Ser Tyr Asn	
	80	85	90
Gln Tyr Pro Asn Gly	Ser Ala Asn Gly Phe	Gly Ala Val Arg Asn	
	95	100	105
Phe Ser Pro Thr Asp	Tyr Tyr His Ser Glu	Ile Pro Asn Thr Arg	
	110	115	120
Pro His Glu Ile Leu	Glu Lys Pro Ser Pro	Pro Gln Pro Pro Pro	
	125	130	135
Pro Pro Ser Val Pro	Gln Thr Val Ile Pro	Lys Lys Thr Gly Ser	
	140	145	150

Pro Glu Ile Lys Leu Lys Ile Thr Lys Thr Ile Gln Asn Gly Arg
 155 160 165
 Glu Leu Phe Glu Ser Ser Leu Cys Gly Asp Leu Leu Asn Glu Val
 170 175 180
 Gln Ala Ser Glu His Thr Lys Ser Lys His Glu Ser Arg Lys Glu
 185 190 195
 Lys Arg Lys Lys Ser Asn Lys His Asp Ser Ser Arg Ser Glu Glu
 200 205 210
 Arg Lys Ser His Lys Ile Pro Lys Leu Glu Pro Glu Glu Gln Asn
 215 220 225
 Met Thr Lys

<210> 36
 <211> 495
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1868749CD1

<400> 36
 Met Lys Gly Met Lys Val Glu Val Leu Asn Ser Asp Ala Val Leu
 1 5 10 15
 Pro Ser Arg Val Tyr Trp Ile Ala Ser Val Ile Gln Thr Ala Gly
 20 25 30
 Tyr Arg Val Leu Leu Arg Tyr Glu Gly Phe Glu Asn Asp Ala Ser
 35 40 45
 His Asp Phe Trp Cys Asn Leu Gly Thr Val Asp Val His Pro Ile
 50 55 60
 Gly Trp Cys Ala Ile Asn Ser Lys Ile Leu Val Pro Pro Arg Thr
 65 70 75
 Ile His Ala Lys Phe Thr Asp Trp Lys Gly Tyr Leu Met Lys Arg
 80 85 90
 Leu Val Gly Ser Arg Thr Leu Pro Val Asp Phe His Ile Lys Met
 95 100 105
 Val Glu Ser Met Lys Tyr Pro Phe Arg Gln Gly Met Arg Leu Glu
 110 115 120
 Val Val Asp Lys Ser Gln Val Ser Arg Thr Arg Met Ala Val Val
 125 130 135
 Asp Thr Val Ile Gly Gly Arg Leu Arg Leu Leu Tyr Glu Asp Gly
 140 145 150
 Asp Ser Asp Asp Asp Phe Trp Cys His Met Trp Ser Pro Leu Ile
 155 160 165
 His Pro Val Gly Trp Ser Arg Arg Val Gly His Gly Ile Lys Met
 170 175 180
 Ser Glu Arg Arg Ser Asp Met Ala His His Pro Thr Phe Arg Lys
 185 190 195
 Ile Tyr Cys Asp Ala Val Pro Tyr Leu Phe Lys Lys Val Arg Ala
 200 205 210
 Val Tyr Thr Glu Gly Gly Trp Phe Glu Glu Gly Met Lys Leu Glu
 215 220 225
 Ala Ile Asp Pro Leu Asn Leu Gly Asn Ile Cys Val Ala Thr Val
 230 235 240
 Cys Lys Val Leu Leu Asp Gly Tyr Leu Met Ile Cys Val Asp Gly
 245 250 255
 Gly Pro Ser Thr Asp Gly Leu Asp Trp Phe Cys Tyr His Ala Ser
 260 265 270
 Ser His Ala Ile Phe Pro Ala Thr Phe Cys Gln Lys Asn Asp Ile
 275 280 285
 Glu Leu Thr Pro Pro Lys Gly Tyr Glu Ala Gln Thr Phe Asn Trp
 290 295 300
 Glu Asn Tyr Leu Glu Lys Thr Lys Ser Lys Ala Ala Pro Ser Arg

305	310	315
Leu Phe Asn Met Asp Cys Pro Asn His Gly Phe Lys Val Gly Met		
320	325	330
Lys Leu Glu Ala Val Asp Leu Met Glu Pro Arg Leu Ile Cys Val		
335	340	345
Ala Thr Val Lys Arg Val Val His Arg Leu Leu Ser Ile His Phe		
350	355	360
Asp Gly Trp Asp Ser Glu Tyr Asp Gln Trp Val Asp Cys Glu Ser		
365	370	375
Pro Asp Ile Tyr Pro Val Gly Trp Cys Glu Leu Thr Gly Tyr Gln		
380	385	390
Leu Gln Pro Pro Val Ala Ala Glu Pro Ala Thr Pro Leu Lys Ala		
395	400	405
Lys Glu Ala Thr Lys Lys Lys Lys Gln Phe Gly Lys Lys Arg		
410	415	420
Lys Arg Ile Pro Pro Thr Lys Thr Arg Pro Leu Arg Gln Gly Ser		
425	430	435
Lys Lys Pro Leu Leu Glu Asp Asp Pro Gln Gly Ala Arg Lys Ile		
440	445	450
Ser Ser Glu Pro Val Pro Gly Glu Ile Ile Ala Val Arg Val Lys		
455	460	465
Glu Glu His Leu Asp Val Ala Ser Pro Asp Lys Ala Ser Ser Pro		
470	475	480
Glu Leu Pro Val Ser Val Glu Asn Ile Lys Gln Glu Thr Asp Asp		
485	490	495

<210> 37

<211> 1336

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1980010CD1

<400> 37

Met Val Asp Gln Leu Glu Gln Ile Leu Ser Val Ser Glu Leu Leu		
1	5	10
Glu Lys His Gly Leu Glu Lys Pro Ile Ser Phe Val Lys Asn Thr		
20	25	30
Gln Ser Ser Ser Glu Glu Ala Arg Lys Leu Met Val Arg Leu Thr		
35	40	45
Arg His Thr Gly Arg Lys Gln Pro Pro Val Ser Glu Ser His Trp		
50	55	60
Arg Thr Leu Leu Gln Asp Met Leu Thr Met Gln Gln Asn Val Tyr		
65	70	75
Thr Cys Leu Asp Ser Asp Ala Cys Tyr Glu Ile Phe Thr Glu Ser		
80	85	90
Leu Leu Cys Ser Ser Arg Leu Glu Asn Ile His Leu Ala Gly Gln		
95	100	105
Met Met His Cys Ser Ala Cys Ser Glu Asn Pro Pro Ala Gly Ile		
110	115	120
Ala His Lys Gly Asn Pro His Tyr Arg Val Ser Tyr Glu Lys Ser		
125	130	135
Ile Asp Leu Val Leu Ala Ala Ser Arg Glu Tyr Phe Asn Ser Ser		
140	145	150
Thr Asn Leu Thr Asp Ser Cys Met Asp Leu Ala Arg Cys Cys Leu		
155	160	165
Gln Leu Ile Thr Asp Arg Pro Pro Ala Ile Gln Glu Glu Leu Asp		
170	175	180
Leu Ile Gln Ala Val Gly Cys Leu Glu Glu Phe Gly Val Lys Ile		
185	190	195
Leu Pro Leu Gln Val Arg Leu Cys Pro Asp Arg Ile Ser Leu Ile		

Lys Glu Cys Ile	200	Lys Glu Cys Ile	205	Lys Glu Cys Ile	210
Ser Gln Ser Pro Thr	215	Cys Tyr Lys Gln Ser Thr	220	Val Ala Gly Glu Asn	225
Leu Leu Gly	230	Arg Val Ala Gly Glu Asn	235	Ile Leu Leu Val Glu Gln	240
Pro Glu Glu Arg	245	Ile Leu Leu Val Glu Gln	250	Ser Met His Cys Gln	255
Ala Leu Arg Phe	260	Ala Ser Met His Cys Gln	265	Thr Asp Val Cys Ser	270
Glu Leu Met Ala	275	Ser Trp Asp Val Cys Ser	280	Leu Ala Thr Arg Gln	285
Gln Leu Gly Gln	290	Asp Leu Ala Thr Arg Gln	295	Pro Pro Ser Ser Ile	300
Glu Leu Met Ala	305	Cys Pro Pro Ser Ser Ile	310	Leu Gln Thr Glu Ile Leu	315
Glu Leu Leu Leu	320	Leu Gln Thr Glu Ile Leu	325	Glu Gly Gly Glu Asn	330
Tyr Gln Arg Val	335	His Glu Gly Gly Glu Asn	340	Val Gln Glu Asp Glu	345
Ile Ser Ala Ser	350	Ala Val Gln Glu Asp Glu	355	Leu Leu Arg Trp Thr	360
Val Gly Val Pro	365	Asp Leu Leu Arg Trp Thr	370	Thr Thr Thr Thr Thr	375
Thr Ala Thr Thr	380	Asn Thr Thr Thr Thr Thr	385	Gln Trp Trp Lys Lys	390
Lys Ala Val Leu	395	Gly Gln Trp Trp Lys Lys	400	Gln Lys Cys Gly Gly	405
Ser Leu Thr Tyr	410	Gln Lys Cys Gly Gly	415	Asp Leu Glu Lys Gln	420
Ala Tyr Gln Ile	425	Asp Leu Glu Lys Gln	430	Ser Asn Pro Phe Val	435
Gly Cys His Pro	440	Ile Ser Asn Pro Phe Val	445	Gln His Val Pro Val	450
Ala Glu Ser Glu	455	Gln His Val Pro Val	460	Gly Lys Leu Ala Glu	465
Glu Ser Phe Ala	470	Thr Gly Lys Leu Ala Glu	475	Thr Thr Glu Val Leu Leu	480
Ala Lys Asn Lys	485	Thr Thr Glu Val Leu Leu	490	Met Thr Leu Ala Leu	495
Gln Leu Ala Ser	500	Met Thr Leu Ala Leu	505	Asp Ala Asn Arg Cys	510
Ala Tyr Leu Leu	515	Leu Asp Ala Asn Arg Cys	520	Leu Gln Leu Ala Ala	525
Phe Glu Lys Gln	530	Leu Gln Leu Ala Ala	535	Leu Ala Pro Cys Phe	540
Tyr Tyr Tyr Ser	545	Leu Ala Pro Cys Phe	550	Ala Asp Pro Lys Glu Leu	555
Arg Asp Lys Cys	560	Ala Asp Pro Lys Glu Leu	565	His Glu His Glu Ala	570
Ile Lys Met Val	575	His Glu His Glu Ala	580	Gln Leu His Cys Tyr	585
Trp Pro Glu Asp	590	Gln Leu His Cys Tyr	595	Ala Gln Ile Leu Gln Gly	600
Asn Glu Arg Leu	605	Ala Gln Ile Leu Gln Gly	610	Phe Thr Ala Asp Asp Gln	615
Leu Arg Lys Gly	620	Phe Thr Ala Asp Asp Gln	625	Glu Thr Leu Glu Glu	630
Tyr Lys Arg Glu	635	Glu Thr Leu Glu Glu	640	Ala Gln Arg Tyr Ser Val	645
Ser Val Tyr Ser	650	Ala Gln Arg Tyr Ser Val	655	Leu Glu Phe Leu Phe Thr	660
Ser Arg Trp Glu	665	Leu Glu Phe Leu Phe Thr	670		675

Asp	Ser	Gly	Leu	Ser	Thr	Leu	Glu	Ile	Glu	Asn	Arg	Ala	Gln	Asp
				680					685					690
Leu	His	Leu	Phe	Glu	Thr	Leu	Lys	Thr	Asp	Pro	Glu	Ala	Phe	His
				695					700					705
Gln	His	Met	Val	Lys	Tyr	Ile	Tyr	Pro	Thr	Ile	Gly	Gly	Phe	Asp
				710					715					720
His	Glu	Arg	Leu	Gln	Tyr	Tyr	Phe	Thr	Leu	Leu	Glu	Asn	Cys	Gly
				725					730					735
Cys	Ala	Asp	Leu	Gly	Asn	Cys	Ala	Ile	Lys	Pro	Glu	Thr	His	Ile
				740					745					750
Arg	Leu	Leu	Lys	Lys	Phe	Lys	Val	Val	Ala	Ser	Gly	Leu	Asn	Tyr
				755					760					765
Lys	Lys	Leu	Thr	Asp	Glu	Asn	Met	Ser	Pro	Leu	Glu	Ala	Leu	Glu
				770					775					780
Pro	Val	Leu	Ser	Ser	Gln	Asn	Ile	Leu	Ser	Ile	Ser	Lys	Leu	Val
				785					790					795
Pro	Lys	Ile	Pro	Glu	Lys	Asp	Gly	Gln	Met	Leu	Ser	Pro	Ser	Ser
				800					805					810
Leu	Tyr	Thr	Ile	Trp	Leu	Gln	Lys	Leu	Phe	Trp	Thr	Gly	Asp	Pro
				815					820					825
His	Leu	Ile	Lys	Gln	Val	Pro	Gly	Ser	Ser	Pro	Glu	Trp	Leu	His
				830					835					840
Ala	Tyr	Asp	Val	Cys	Met	Lys	Tyr	Phe	Asp	Arg	Leu	His	Pro	Gly
				845					850					855
Asp	Leu	Ile	Thr	Val	Val	Asp	Ala	Val	Thr	Phe	Ser	Pro	Lys	Ala
				860					865					870
Val	Thr	Lys	Leu	Ser	Val	Glu	Ala	Arg	Lys	Glu	Met	Thr	Arg	Lys
				875					880					885
Ala	Ile	Lys	Thr	Val	Lys	His	Phe	Ile	Glu	Lys	Pro	Arg	Lys	Arg
				890					895					900
Asn	Ser	Glu	Asp	Glu	Ala	Gln	Glu	Ala	Lys	Asp	Ser	Lys	Val	Thr
				905					910					915
Tyr	Ala	Asp	Thr	Leu	Asn	His	Leu	Glu	Lys	Ser	Leu	Ala	His	Leu
				920					925					930
Glu	Thr	Leu	Ser	His	Ser	Phe	Ile	Leu	Ser	Leu	Lys	Asn	Ser	Glu
				935					940					945
Gln	Glu	Thr	Leu	Gln	Lys	Tyr	Ser	His	Leu	Tyr	Asp	Leu	Ser	Arg
				950					955					960
Ser	Glu	Lys	Glu	Lys	Leu	His	Asp	Glu	Ala	Val	Ala	Ile	Cys	Leu
				965					970					975
Asp	Gly	Gln	Pro	Leu	Ala	Met	Ile	Gln	Gln	Leu	Leu	Glu	Val	Ala
				980					985					990
Val	Gly	Pro	Leu	Asp	Ile	Ser	Pro	Lys	Asp	Ile	Val	Gln	Ser	Ala
				995					1000					1005
Ile	Met	Lys	Ile	Ile	Ser	Ala	Leu	Ser	Gly	Gly	Ser	Ala	Asp	Leu
				1010					1015					1020
Gly	Gly	Pro	Arg	Asp	Pro	Leu	Lys	Val	Leu	Glu	Gly	Val	Val	Ala
				1025					1030					1035
Ala	Val	His	Ala	Ser	Val	Asp	Lys	Gly	Glu	Glu	Leu	Val	Ser	Pro
				1040					1045					1050
Glu	Asp	Leu	Leu	Glu	Trp	Leu	Arg	Pro	Phe	Cys	Ala	Asp	Asp	Ala
				1055					1060					1065
Trp	Pro	Val	Arg	Pro	Arg	Ile	His	Val	Leu	Gln	Ile	Leu	Gly	Gln
				1070					1075					1080
Ser	Phe	His	Leu	Thr	Glu	Glu	Asp	Ser	Lys	Leu	Leu	Val	Phe	Phe
				1085					1090					1095
Arg	Thr	Glu	Ala	Ile	Leu	Lys	Ala	Ser	Trp	Pro	Gln	Arg	Gln	Val
				1100					1105					1110
Asp	Ile	Ala	Asp	Ile	Glu	Asn	Glu	Glu	Asn	Arg	Tyr	Cys	Leu	Phe
				1115					1120					1125
Met	Glu	Leu	Leu	Glu	Ser	Ser	His	His	Glu	Ala	Glu	Phe	Gln	His
				1130					1135					1140
Leu	Val	Leu	Leu	Leu	Gln	Ala	Trp	Pro	Pro	Met	Lys	Ser	Glu	Tyr

1145	1150	1155
Val Ile Thr Asn Asn Pro Trp Val Arg Leu Ala Thr Val Met Leu		
1160	1165	1170
Thr Arg Cys Thr Met Glu Asn Lys Glu Gly Leu Gly Asn Glu Val		
1175	1180	1185
Leu Lys Met Cys Arg Ser Leu Tyr Asn Thr Lys Gln Met Leu Pro		
1190	1195	1200
Ala Glu Gly Val Lys Glu Leu Cys Leu Leu Leu Asn Gln Ser		
1205	1210	1215
Leu Leu Leu Pro Ser Leu Lys Leu Leu Leu Glu Ser Arg Asp Glu		
1220	1225	1230
His Leu His Glu Met Ala Leu Glu Gln Ile Thr Ala Val Thr Thr		
1235	1240	1245
Val Asn Asp Ser Asn Cys Asp Gln Glu Leu Leu Ser Leu Leu Leu		
1250	1255	1260
Asp Ala Lys Leu Leu Val Lys Cys Val Ser Thr Pro Phe Tyr Pro		
1265	1270	1275
Arg Ile Val Asp His Leu Leu Ala Ser Leu Gln Gln Gly Arg Trp		
1280	1285	1290
Asp Ala Glu Glu Leu Gly Arg His Leu Arg Glu Ala Gly His Glu		
1295	1300	1305
Ala Glu Ala Gly Ser Leu Leu Leu Ala Val Arg Gly Thr His Gln		
1310	1315	1320
Ala Phe Arg Thr Phe Ser Thr Ala Leu Arg Ala Ala Gln His Trp		
1325	1330	1335
Val		

<210> 38

<211> 934

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2259032CD1

<400> 38

Met Phe Trp Lys Phe Asp Leu Asn Thr Thr Ser His Val Asp Lys		
1	5	10
Leu Leu Asp Lys Glu His Val Thr Leu Gln Glu Leu Met Asp Glu		
	20	25
Asp Asp Ile Leu Gln Glu Cys Lys Ala Gln Asn Gln Lys Leu Leu		
	35	40
Asp Phe Leu Cys Arg Gln Gln Cys Met Glu Glu Leu Val Ser Leu		
	50	55
Ile Thr Gln Asp Pro Pro Leu Asp Met Glu Glu Lys Val Arg Phe		
	65	70
Lys Tyr Pro Asn Thr Ala Cys Glu Leu Leu Thr Cys Asp Val Pro		
	80	85
Gln Ile Ser Asp Arg Leu Gly Gly Asp Glu Ser Leu Leu Ser Leu		
	95	100
Leu Tyr Asp Phe Leu Asp His Glu Pro Pro Leu Asn Pro Leu Leu		
	110	115
Ala Ser Phe Phe Ser Lys Thr Ile Gly Asn Leu Ile Ala Arg Lys		
	125	130
Thr Glu Gln Val Ile Thr Phe Leu Lys Lys Lys Asp Lys Phe Ile		
	140	145
Ser Leu Val Leu Lys His Ile Gly Thr Ser Ala Leu Met Asp Leu		
	155	160
Leu Leu Arg Leu Val Ser Cys Val Glu Pro Ala Gly Leu Arg Gln		
	170	175
Asp Val Leu His Trp Leu Asn Glu Glu Lys Val Ile Gln Arg Leu		
	185	190
		195

Val	Glu	Leu	Ile	His	Pro	Ser	Gln	Asp	Glu	Asp	Arg	Gln	Ser	Asn
				200					205					210
Ala	Ser	Gln	Thr	Leu	Cys	Asp	Ile	Val	Arg	Leu	Gly	Arg	Asp	Gln
				215					220					225
Gly	Ser	Gln	Leu	Gln	Glu	Ala	Leu	Glu	Pro	Asp	Pro	Leu	Leu	Thr
				230					235					240
Ala	Leu	Glu	Ser	Arg	Gln	Asp	Cys	Val	Glu	Gln	Leu	Leu	Lys	Asn
				245					250					255
Met	Phe	Asp	Gly	Asp	Arg	Thr	Glu	Ser	Cys	Leu	Val	Ser	Gly	Thr
				260					265					270
Gln	Val	Leu	Leu	Thr	Leu	Leu	Glu	Thr	Arg	Arg	Val	Gly	Thr	Glu
				275					280					285
Gly	Leu	Val	Asp	Ser	Phe	Ser	Gln	Gly	Leu	Glu	Arg	Ser	Tyr	Ala
				290					295					300
Val	Ser	Ser	Ser	Val	Leu	His	Gly	Ile	Glu	Pro	Arg	Leu	Lys	Asp
				305					310					315
Phe	His	Gln	Leu	Leu	Leu	Asn	Pro	Pro	Lys	Lys	Lys	Ala	Ile	Leu
				320					325					330
Thr	Thr	Ile	Gly	Val	Leu	Glu	Glu	Pro	Leu	Gly	Asn	Ala	Arg	Leu
				335					340					345
His	Gly	Ala	Arg	Leu	Met	Ala	Ala	Leu	Leu	His	Thr	Asn	Thr	Pro
				350					355					360
Ser	Ile	Asn	Gln	Glu	Leu	Cys	Arg	Leu	Asn	Thr	Met	Asp	Leu	Leu
				365					370					375
Leu	Asp	Leu	Phe	Phe	Lys	Tyr	Thr	Trp	Asn	Asn	Phe	Leu	His	Phe
				380					385					390
Gln	Val	Glu	Leu	Cys	Ile	Ala	Ala	Ile	Leu	Ser	His	Ala	Ala	Arg
				395					400					405
Glu	Glu	Arg	Thr	Glu	Ala	Ser	Gly	Ser	Glu	Ser	Arg	Val	Glu	Pro
				410					415					420
Pro	His	Glu	Asn	Gly	Asn	Arg	Ser	Leu	Glu	Thr	Pro	Gln	Pro	Ala
				425					430					435
Ala	Ser	Leu	Pro	Asp	Asn	Thr	Met	Val	Thr	His	Leu	Phe	Gln	Lys
				440					445					450
Cys	Cys	Leu	Val	Gln	Arg	Ile	Leu	Glu	Ala	Trp	Glu	Ala	Asn	Asp
				455					460					465
His	Thr	Gln	Ala	Ala	Gly	Gly	Met	Arg	Arg	Gly	Asn	Met	Gly	His
				470					475					480
Leu	Thr	Arg	Ile	Ala	Asn	Ala	Val	Val	Gln	Asn	Leu	Glu	Arg	Gly
				485					490					495
Pro	Val	Gln	Thr	His	Ile	Ser	Glu	Val	Ile	Arg	Gly	Leu	Pro	Ala
				500					505					510
Asp	Cys	Arg	Gly	Arg	Trp	Glu	Ser	Phe	Val	Glu	Glu	Thr	Leu	Thr
				515					520					525
Glu	Thr	Asn	Arg	Arg	Asn	Thr	Val	Asp	Leu	Ala	Phe	Ser	Asp	Tyr
				530					535					540
Gln	Ile	Gln	Gln	Met	Thr	Ala	Asn	Phe	Val	Asp	Gln	Phe	Gly	Phe
				545					550					555
Asn	Asp	Glu	Glu	Phe	Ala	Asp	Gln	Asp	Asp	Asn	Ile	Asn	Ala	Pro
				560					565					570
Phe	Asp	Arg	Ile	Ala	Glu	Ile	Asn	Phe	Asn	Ile	Asp	Ala	Asp	Glu
				575					580					585
Asp	Ser	Pro	Ser	Ala	Ala	Leu	Phe	Glu	Ala	Cys	Cys	Ser	Asp	Arg
				590					595					600
Ile	Gln	Pro	Phe	Asp	Asp	Asp	Glu	Asp	Glu	Asp	Ile	Trp	Glu	Asp
				605					610					615
Ser	Asp	Thr	Arg	Cys	Ala	Ala	Arg	Val	Met	Ala	Arg	Pro	Arg	Phe
				620					625					630
Gly	Ala	Pro	His	Ala	Ser	Glu	Ser	Cys	Ser	Lys	Asn	Gly	Pro	Glu
				635					640					645
Arg	Gly	Gly	Gln	Asp	Gly	Lys	Ala	Ser	Leu	Glu	Ala	His	Arg	Asp
				650					655					660
Ala	Pro	Gly	Ala	Gly	Ala	Pro	Pro	Ala	Pro	Gly	Lys	Lys	Glu	Ala

Pro	Pro	Val	Glu	Gly	Asp	Ser	Glu	Ala	Gly	Ala	Met	Trp	Thr	Ala	665	670	675
Val	Phe	Asp	Glu	Pro	Ala	Asn	Ser	Thr	Pro	Thr	Ala	Pro	Gly	Val	680	685	690
Val	Arg	Asp	Val	Gly	Ser	Ser	Val	Trp	Ala	Ala	Gly	Thr	Ser	Ala	695	700	705
Pro	Glu	Glu	Lys	Gly	Trp	Ala	Lys	Phe	Thr	Asp	Phe	Gln	Pro	Phe	710	715	720
Cys	Cys	Ser	Glu	Ser	Gly	Pro	Arg	Cys	Ser	Ser	Pro	Val	Asp	Thr	725	730	735
Glu	Cys	Ser	His	Ala	Glu	Gly	Ser	Arg	Ser	Gln	Gly	Pro	Glu	Lys	740	745	750
Ala	Phe	Ser	Pro	Ala	Ser	Pro	Cys	Ala	Trp	Asn	Val	Cys	Val	Thr	755	760	765
Arg	Lys	Ala	Pro	Leu	Leu	Ala	Ser	Asp	Ser	Ser	Ser	Ser	Gly	Gly	770	775	780
Ser	His	Ser	Glu	Asp	Gly	Asp	Gln	Lys	Ala	Ala	Ser	Ala	Met	Asp	785	790	795
Ala	Val	Ser	Arg	Gly	Pro	Gly	Arg	Glu	Ala	Pro	Pro	Leu	Pro	Thr	800	805	810
Val	Ala	Arg	Thr	Glu	Glu	Ala	Val	Gly	Arg	Val	Gly	Cys	Ala	Asp	815	820	825
Ser	Arg	Leu	Leu	Ser	Pro	Ala	Cys	Pro	Ala	Pro	Lys	Glu	Val	Thr	830	835	840
Ala	Ala	Pro	Ala	Val	Ala	Val	Pro	Pro	Glu	Ala	Thr	Val	Ala	Ile	845	850	855
Thr	Thr	Ala	Leu	Ser	Lys	Ala	Gly	Pro	Ala	Ile	Pro	Thr	Pro	Ala	860	865	870
Val	Ser	Ser	Ala	Leu	Ala	Val	Ala	Val	Pro	Leu	Gly	Pro	Ile	Met	875	880	885
Ala	Val	Thr	Ala	Ala	Pro	Ala	Met	Val	Ala	Thr	Leu	Gly	Thr	Val	890	895	900
Thr	Lys	Asp	Gly	Lys	Thr	Asp	Ala	Pro	Pro	Glu	Gly	Ala	Ala	Leu	905	910	915
Asn	Gly	Pro	Val												920	925	930

<210> 39
 <211> 515
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2359526CD1

Met	Ala	Ala	Asn	Met	Tyr	Arg	Val	Gly	Asp	Tyr	Val	Tyr	Phe	Glu	<400> 39
1				5					10					15	
Asn	Ser	Ser	Ser	Asn	Pro	Tyr	Leu	Ile	Arg	Arg	Ile	Glu	Glu	Leu	
				20					25					30	
Asn	Lys	Thr	Ala	Ser	Gly	Asn	Val	Glu	Ala	Lys	Val	Val	Cys	Phe	
				35					40					45	
Tyr	Arg	Arg	Arg	Asp	Ile	Ser	Asn	Thr	Leu	Ile	Met	Leu	Ala	Asp	
				50					55					60	
Lys	His	Ala	Lys	Glu	Ile	Glu	Glu	Glu	Ser	Glu	Thr	Thr	Val	Glu	
				65					70					75	
Ala	Asp	Leu	Thr	Asp	Lys	Gln	Lys	His	Gln	Leu	Lys	His	Arg	Glu	
				80					85					90	
Leu	Phe	Leu	Ser	Arg	Gln	Tyr	Glu	Ser	Leu	Pro	Ala	Thr	His	Ile	
				95					100					105	
Arg	Gly	Lys	Cys	Ser	Val	Ala	Leu	Leu	Asn	Glu	Thr	Glu	Ser	Val	
				110					115					120	

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Leu Ser Tyr Leu Asp Lys Glu Asp Thr Phe Phe Tyr Ser Leu Val
125 130 135
Tyr Asp Pro Ser Leu Lys Thr Leu Leu Ala Asp Lys Gly Glu Ile
140 145 150
Arg Val Gly Pro Arg Tyr Gln Ala Asp Ile Pro Glu Met Leu Leu
155 160 165
Glu Gly Glu Ser Asp Glu Arg Glu Gln Ser Lys Leu Glu Val Lys
170 175 180
Val Trp Asp Pro Asn Ser Pro Leu Thr Asp Arg Gln Ile Asp Gln
185 190 195
Phe Leu Val Val Ala Arg Ala Val Gly Thr Phe Ala Arg Ala Leu
200 205 210
Asp Cys Ser Ser Ser Val Arg Gln Pro Ser Leu His Met Ser Ala
215 220 225
Ala Ala Ala Ser Arg Asp Ile Thr Leu Phe His Ala Met Asp Thr
230 235 240
Leu Tyr Arg His Ser Tyr Asp Leu Ser Ser Ala Ile Ser Val Leu
245 250 255
Val Pro Leu Gly Gly Pro Val Leu Cys Arg Asp Glu Met Glu Glu
260 265 270
Trp Ser Ala Ser Glu Ala Ser Leu Phe Glu Glu Ala Leu Glu Lys
275 280 285
Tyr Gly Lys Asp Phe Asn Asp Ile Arg Gln Asp Phe Leu Pro Trp
290 295 300
Lys Ser Leu Thr Ser Ile Ile Glu Tyr Tyr Tyr Met Trp Lys Thr
305 310 315
Thr Asp Arg Tyr Val Gln Gln Lys Arg Leu Lys Ala Ala Glu Ala
320 325 330
Glu Ser Lys Leu Lys Gln Val Tyr Ile Pro Thr Tyr Ser Lys Pro
335 340 345
Asn Pro Asn Gln Ile Ser Thr Ser Asn Gly Lys Pro Gly Ala Val
350 355 360
Asn Gly Ala Val Gly Thr Thr Phe Gln Pro Gln Asn Pro Leu Leu
365 370 375
Gly Arg Ala Cys Glu Ser Cys Tyr Ala Thr Gln Ser His Gln Trp
380 385 390
Tyr Ser Trp Gly Pro Pro Asn Met Gln Cys Arg Leu Cys Ala Ile
395 400 405
Cys Trp Leu Tyr Trp Lys Lys Tyr Gly Gly Leu Lys Met Pro Thr
410 415 420
Gln Ser Glu Glu Glu Lys Leu Ser Pro Ser Pro Thr Thr Glu Asp
425 430 435
Pro Arg Val Arg Ser His Val Ser Arg Gln Ala Met Gln Gly Met
440 445 450
Pro Val Arg Asn Thr Gly Ser Pro Lys Ser Ala Val Lys Thr Arg
455 460 465
Gln Ala Phe Phe Leu His Thr Thr Tyr Phe Thr Lys Phe Ala Arg
470 475 480
Gln Val Cys Lys Asn Thr Leu Arg Leu Arg Gln Ala Ala Arg Arg
485 490 495
Pro Phe Val Ala Ile Asn Tyr Ala Ala Ile Arg Ala Glu Cys Lys
500 505 510
Met Leu Leu Asn Ser
515

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<210> 40

<211> 146

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2456494CD1

<400> 40

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Met Val Asp Glu Leu Val Leu Leu Leu His Ala Leu Leu Met Arg
 1          5          10          15
His Arg Ala Leu Ser Ile Glu Asn Ser Gln Leu Met Glu Gln Leu
 20          25          30
Arg Leu Leu Val Cys Glu Arg Ala Ser Leu Leu Arg Gln Val Arg
 35          40          45
Pro Pro Ser Cys Pro Val Pro Phe Pro Glu Thr Phe Asn Gly Glu
 50          55          60
Ser Ser Arg Leu Pro Glu Phe Ile Val Gln Thr Ala Ser Tyr Met
 65          70          75
Leu Val Asn Glu Asn Arg Phe Cys Asn Asp Ala Met Lys Val Ala
 80          85          90
Phe Leu Ile Ser Leu Leu Thr Gly Glu Ala Glu Glu Trp Val Val
 95          100         105
Pro Tyr Ile Glu Met Asp Ser Pro Ile Leu Gly Asp Tyr Arg Ala
 110         115         120
Phe Leu Asp Glu Met Lys Gln Cys Phe Gly Trp Asp Asp Asp Glu
 125         130         135
Asp Asp Asp Asp Glu Glu Glu Glu Asp Asp Tyr
 140         145

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<210> 41

<211> 580

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2668536CD1

<400> 41

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Met Lys Glu Asn Lys Glu Asn Ser Ser Pro Ser Val Thr Ser Ala
 1          5          10          15
Asn Leu Asp His Thr Lys Pro Cys Trp Tyr Trp Asp Lys Lys Asp
 20          25          30
Leu Ala His Thr Pro Ser Gln Leu Glu Gly Leu Asp Pro Ala Thr
 35          40          45
Glu Ala Arg Tyr Arg Arg Glu Gly Ala Arg Phe Ile Phe Asp Val
 50          55          60
Gly Thr Arg Leu Gly Leu His Tyr Asp Thr Leu Ala Thr Gly Ile
 65          70          75
Ile Tyr Phe His Arg Phe Tyr Met Phe His Ser Phe Lys Gln Phe
 80          85          90
Pro Arg Tyr Val Thr Gly Ala Cys Cys Leu Phe Leu Ala Gly Lys
 95          100         105
Val Glu Glu Thr Pro Lys Lys Cys Lys Asp Ile Ile Lys Thr Ala
 110         115         120
Arg Ser Leu Leu Asn Asp Val Gln Phe Gly Gln Phe Gly Asp Asp
 125         130         135
Pro Lys Glu Glu Val Met Val Leu Glu Arg Ile Leu Leu Gln Thr
 140         145         150
Ile Lys Phe Asp Leu Gln Val Glu His Pro Tyr Gln Phe Leu Leu
 155         160         165
Lys Tyr Ala Lys Gln Leu Lys Gly Asp Lys Asn Lys Ile Gln Lys
 170         175         180
Leu Val Gln Met Ala Trp Thr Phe Val Asn Asp Ser Leu Cys Thr
 185         190         195
Thr Leu Ser Leu Gln Trp Glu Pro Glu Ile Ile Ala Val Ala Val
 200         205         210
Met Tyr Leu Ala Gly Arg Leu Cys Lys Phe Glu Ile Gln Glu Trp
 215         220         225
Thr Ser Lys Pro Met Tyr Arg Arg Trp Trp Glu Gln Phe Val Gln
 230         235         240

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Asp Val Pro Val Asp Val Leu Glu Asp Ile Cys His Gln Ile Leu
245 250 255
Asp Leu Tyr Ser Gln Gly Lys Gln Gln Met Pro His His Thr Pro
260 265 270
His Gln Leu Gln Gln Pro Pro Ser Leu Gln Pro Thr Pro Gln Val
275 280 285
Pro Gln Val Gln Gln Ser Gln Pro Ser Gln Ser Ser Glu Pro Ser
290 295 300
Gln Pro Gln Gln Lys Asp Pro Gln Gln Pro Ala Gln Gln Gln Gln
305 310 315
Pro Ala Gln Gln Pro Lys Lys Pro Ser Pro Gln Pro Ser Ser Pro
320 325 330
Arg Gln Val Lys Arg Ala Val Val Val Ser Pro Lys Glu Glu Asn
335 340 345
Lys Ala Ala Glu Pro Pro Pro Pro Lys Ile Pro Lys Ile Glu Thr
350 355 360
Thr His Pro Pro Leu Pro Pro Ala His Pro Pro Pro Asp Arg Lys
365 370 375
Pro Pro Leu Ala Ala Ala Leu Gly Glu Ala Glu Pro Pro Gly Pro
380 385 390
Val Asp Ala Thr Asp Leu Pro Lys Val Gln Ile Pro Pro Pro Ala
395 400 405
His Pro Ala Pro Val His Gln Pro Pro Pro Leu Pro His Arg Pro
410 415 420
Pro Pro Pro Pro Pro Ser Ser Tyr Met Thr Gly Met Ser Thr Thr
425 430 435
Ser Ser Tyr Met Ser Gly Glu Gly Tyr Gln Ser Leu Gln Ser Met
440 445 450
Met Lys Thr Glu Gly Pro Ser Tyr Gly Ala Leu Pro Pro Ala Tyr
455 460 465
Gly Pro Pro Ala His Leu Pro Tyr His Pro His Val Tyr Pro Pro
470 475 480
Asn Pro Pro Pro Pro Pro Val Pro Pro Pro Pro Ala Ser Phe Pro
485 490 495
His Leu Pro Ser His Pro Leu Leu Leu Ala Thr Pro Asn Pro His
500 505 510
Pro Pro Thr Thr Pro Thr Ser His Pro His Pro His Ala Ser Arg
515 520 525
Leu Pro Thr Gln Ser Pro Leu Ile Leu Leu Gln Gly Trp Ala Cys
530 535 540
Arg Gln Pro Ala Thr His Leu Leu Pro Ser Pro Leu Glu Asp Ser
545 550 555
Leu Leu Cys Pro Arg Pro Phe Pro His Pro Ala Cys Leu Gln Leu
560 565 570
Glu Gly Leu Gly Arg Ala Ala Trp Met Arg
575 580

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<210> 42

<211> 131

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2683225CD1

<400> 42

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Met Ala Glu Pro Asp Tyr Ile Glu Asp Asp Asn Pro Glu Leu Ile
1 5 10 15
Arg Pro Gln Lys Leu Ile Asn Pro Val Lys Thr Ser Arg Asn His
20 25 30
Gln Asp Leu His Arg Glu Leu Leu Met Asn Gln Lys Arg Gly Leu
35 40 45
Ala Pro Gln Asn Lys Pro Glu Leu Gln Lys Val Met Glu Lys Arg

```

	50		55		60
Lys Arg Asp Gln Val	Ile Lys Gln Lys	Glu Glu Glu Ala Gln	Lys		
	65		70		75
Lys Lys Ser Asp Leu	Glu Ile Glu Leu	Leu Lys Arg Gln Gln	Lys		
	80		85		90
Leu Glu Gln Leu Glu	Leu Glu Lys Gln	Lys Leu Gln Glu Glu	Gln		
	95		100		105
Glu Asn Ala Pro Glu	Phe Val Lys Val	Lys Gly Asn Leu Arg	Arg		
	110		115		120
Thr Gly Gln Glu Val	Ala Gln Ala Gln	Glu Ser			
	125		130		

<210> 43

<211> 812

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2797839CD1

<400> 43

Met Gly Arg Lys Leu	Asp Pro Thr Lys	Glu Lys Arg Gly Pro	Gly		
1	5	10	15		
Arg Lys Ala Arg Lys	Gln Lys Gly Ala	Glu Thr Glu Leu Val	Arg		
	20	25	30		
Phe Leu Pro Ala Val	Ser Asp Glu Asn	Ser Lys Arg Leu Ser	Ser		
	35	40	45		
Arg Ala Arg Lys Arg	Ala Ala Lys Arg	Arg Leu Gly Ser Val	Glu		
	50	55	60		
Ala Pro Lys Thr Asn	Lys Ser Pro Glu	Ala Lys Pro Leu Pro	Gly		
	65	70	75		
Lys Leu Pro Lys Gly	Ile Ser Ala Gly	Ala Val Gln Thr Ala	Gly		
	80	85	90		
Lys Lys Gly Pro Gln	Ser Leu Phe Asn	Ala Pro Arg Gly Lys	Lys		
	95	100	105		
Arg Pro Ala Pro Gly	Ser Asp Glu Glu	Glu Glu Glu Asp	Ser		
	110	115	120		
Glu Glu Asp Gly Met	Val Asn His Gly	Asp Leu Trp Gly Ser	Glu		
	125	130	135		
Asp Asp Ala Asp Thr	Val Asp Asp Tyr	Gly Ala Asp Ser Asn	Ser		
	140	145	150		
Glu Asp Glu Glu Glu	Gly Glu Ala Leu	Leu Pro Ile Glu Arg	Ala		
	155	160	165		
Ala Arg Lys Gln Lys	Ala Arg Glu Ala	Ala Ala Gly Ile Gln	Trp		
	170	175	180		
Ser Glu Glu Glu Thr	Glu Asp Glu Glu	Glu Glu Lys Glu Val	Thr		
	185	190	195		
Pro Glu Ser Gly Pro	Pro Lys Val Glu	Glu Ala Asp Gly Gly	Leu		
	200	205	210		
Gln Ile Asn Val Asp	Glu Glu Pro Phe	Val Leu Pro Pro Ala	Gly		
	215	220	225		
Glu Met Glu Gln Asp	Ala Gln Ala Pro	Asp Leu Gln Arg Val	His		
	230	235	240		
Lys Arg Ile Gln Asp	Ile Val Gly Ile	Leu Arg Asp Phe Gly	Ala		
	245	250	255		
Gln Arg Glu Glu Gly	Arg Ser Arg Ser	Glu Tyr Leu Asn Arg	Leu		
	260	265	270		
Lys Lys Asp Leu Ala	Ile Tyr Tyr Ser	Tyr Gly Asp Phe Leu	Leu		
	275	280	285		
Gly Lys Leu Met Asp	Leu Phe Pro Leu	Ser Glu Leu Val Glu	Phe		
	290	295	300		
Leu Glu Ala Asn Glu	Val Pro Arg Pro	Val Thr Leu Arg Thr	Asn		
	305	310	315		

Thr	Leu	Lys	Thr	Arg	Arg	Arg	Asp	Leu	Ala	Gln	Ala	Leu	Ile	Asn
				320					325					330
Arg	Gly	Val	Asn	Leu	Asp	Pro	Leu	Gly	Lys	Trp	Ser	Lys	Thr	Gly
				335					340					345
Leu	Val	Val	Tyr	Asp	Ser	Ser	Val	Pro	Ile	Gly	Ala	Thr	Pro	Glu
				350					355					360
Tyr	Leu	Ala	Gly	His	Tyr	Met	Leu	Gln	Gly	Ala	Ser	Ser	Met	Leu
				365					370					375
Pro	Val	Met	Ala	Leu	Ala	Pro	Gln	Glu	His	Glu	Arg	Ile	Leu	Asp
				380					385					390
Met	Cys	Cys	Ala	Pro	Gly	Gly	Lys	Thr	Ser	Tyr	Met	Ala	Gln	Leu
				395					400					405
Met	Lys	Asn	Thr	Gly	Val	Ile	Leu	Ala	Asn	Asp	Ala	Asn	Ala	Glu
				410					415					420
Arg	Leu	Lys	Ser	Val	Val	Gly	Asn	Leu	His	Arg	Leu	Gly	Val	Thr
				425					430					435
Asn	Thr	Ile	Ile	Ser	His	Tyr	Asp	Gly	Arg	Gln	Phe	Pro	Lys	Val
				440					445					450
Val	Gly	Gly	Phe	Asp	Arg	Val	Leu	Leu	Asp	Ala	Pro	Cys	Ser	Gly
				455					460					465
Thr	Gly	Val	Ile	Ser	Lys	Asp	Pro	Ala	Val	Lys	Thr	Asn	Lys	Asp
				470					475					480
Glu	Lys	Asp	Ile	Leu	Arg	Cys	Ala	His	Leu	Gln	Lys	Glu	Leu	Leu
				485					490					495
Leu	Ser	Ala	Ile	Asp	Ser	Val	Asn	Ala	Thr	Ser	Lys	Thr	Gly	Gly
				500					505					510
Tyr	Leu	Val	Tyr	Cys	Thr	Cys	Ser	Ile	Thr	Val	Glu	Glu	Asn	Glu
				515					520					525
Trp	Val	Val	Asp	Tyr	Ala	Leu	Lys	Lys	Arg	Asn	Val	Arg	Leu	Val
				530					535					540
Pro	Thr	Gly	Leu	Asp	Phe	Gly	Gln	Glu	Gly	Phe	Thr	Arg	Phe	Arg
				545					550					555
Glu	Arg	Arg	Phe	His	Pro	Ser	Leu	Arg	Ser	Thr	Arg	Arg	Phe	Tyr
				560					565					570
Pro	His	Thr	His	Asn	Met	Asp	Gly	Phe	Phe	Ile	Ala	Lys	Phe	Lys
				575					580					585
Lys	Phe	Ser	Asn	Ser	Ile	Pro	Gln	Ser	Gln	Thr	Gly	Asn	Ser	Glu
				590					595					600
Thr	Ala	Thr	Pro	Thr	Asn	Val	Asp	Leu	Pro	Gln	Val	Ile	Pro	Lys
				605					610					615
Ser	Glu	Asn	Ser	Ser	Gln	Pro	Ala	Lys	Lys	Ala	Lys	Gly	Ala	Ala
				620					625					630
Lys	Thr	Lys	Gln	Gln	Leu	Gln	Lys	Gln	Gln	His	Pro	Lys	Lys	Ala
				635					640					645
Ser	Phe	Gln	Lys	Leu	Asn	Gly	Ile	Ser	Lys	Gly	Ala	Asp	Ser	Glu
				650					655					660
Leu	Ser	Thr	Val	Pro	Ser	Val	Thr	Lys	Thr	Gln	Ala	Ser	Ser	Ser
				665					670					675
Phe	Gln	Asp	Ser	Ser	Gln	Pro	Ala	Gly	Lys	Ala	Glu	Gly	Ile	Arg
				680					685					690
Glu	Pro	Lys	Val	Thr	Gly	Lys	Leu	Lys	Gln	Arg	Ser	Pro	Lys	Leu
				695					700					705
Gln	Ser	Ser	Lys	Lys	Val	Ala	Phe	Leu	Arg	Gln	Asn	Ala	Pro	Pro
				710					715					720
Lys	Gly	Thr	Asp	Thr	Gln	Thr	Pro	Ala	Val	Leu	Ser	Pro	Ser	Lys
				725					730					735
Thr	Gln	Ala	Thr	Leu	Lys	Pro	Lys	Asp	His	His	Gln	Pro	Leu	Gly
				740					745					750
Arg	Ala	Lys	Gly	Val	Glu	Lys	Gln	Gln	Leu	Pro	Glu	Gln	Pro	Phe
				755					760					765
Glu	Lys	Ala	Ala	Phe	Gln	Lys	Gln	Asn	Asp	Thr	Pro	Lys	Gly	Pro
				770					775					780
Gln	Pro	Pro	Thr	Val	Ser	Pro	Ile	Arg	Ser	Ser	Arg	Pro	Pro	Pro

	785		790		795
Ala Lys Arg Lys	Lys Ser Gln Ser Arg	Gly Asn Ser Gln Leu	Leu		
	800		805		810
Leu Ser					

<210> 44
 <211> 537
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2959521CD1

<400> 44

Met Arg Gly Val	Gly Ala Arg Val Tyr	Ala Asp Ala Pro Ala Lys	
1	5	10	15
Leu Leu Leu Pro	Pro Ala Ala Trp Asp	Leu Ala Val Arg Leu	
	20	25	30
Arg Gly Ala Glu	Ala Ala Ser Glu Arg Gln	Val Tyr Ser Val Thr	
	35	40	45
Met Lys Leu Leu	Leu Leu His Pro Ala Phe	Gln Ser Cys Leu Leu	
	50	55	60
Leu Thr Leu Leu	Gly Leu Trp Arg Thr Thr	Pro Glu Ala His Ala	
	65	70	75
Ser Ser Leu Gly	Ala Pro Ala Ile Ser Ala	Ala Ser Phe Leu Gln	
	80	85	90
Asp Leu Ile His	Arg Tyr Gly Glu Gly Asp	Ser Leu Thr Leu Gln	
	95	100	105
Gln Leu Lys Ala	Leu Leu Asn His Leu Asp	Val Gly Val Gly Arg	
	110	115	120
Gly Asn Val Thr	Gln His Val Gln Gly His	Arg Asn Leu Ser Thr	
	125	130	135
Cys Phe Ser Ser	Gly Asp Leu Phe Thr Ala	His Asn Phe Ser Glu	
	140	145	150
Gln Ser Arg Ile	Gly Ser Ser Glu Leu Gln	Glu Phe Cys Pro Thr	
	155	160	165
Ile Leu Gln Gln	Leu Asp Ser Arg Ala Cys	Thr Ser Glu Asn Gln	
	170	175	180
Glu Asn Glu Glu	Asn Glu Gln Thr Glu Glu	Gly Arg Pro Ser Ala	
	185	190	195
Val Glu Val Trp	Gly Tyr Gly Leu Leu Cys	Val Thr Val Ile Ser	
	200	205	210
Leu Cys Ser Leu	Leu Gly Ala Ser Val Val	Pro Phe Met Lys Lys	
	215	220	225
Thr Phe Tyr Lys	Arg Leu Leu Leu Tyr Phe	Ile Ala Leu Ala Ile	
	230	235	240
Gly Thr Leu Tyr	Ser Asn Ala Leu Phe Gln	Leu Ile Pro Glu Ala	
	245	250	255
Phe Gly Phe Asn	Pro Leu Glu Asp Tyr Tyr	Val Ser Lys Ser Ala	
	260	265	270
Val Val Phe Gly	Gly Phe Tyr Leu Phe Phe	Phe Thr Glu Lys Ile	
	275	280	285
Leu Lys Ile Leu	Leu Lys Gln Lys Asn Glu	His His His Gly His	
	290	295	300
Ser His Tyr Ala	Ser Glu Ser Leu Pro Ser	Lys Lys Asp Gln Glu	
	305	310	315
Glu Gly Val Met	Glu Lys Leu Gln Asn Gly	Asp Leu Asp His Met	
	320	325	330
Ile Pro Gln His	Cys Ser Ser Glu Leu Asp	Gly Lys Ala Pro Met	
	335	340	345
Val Asp Glu Lys	Val Ile Val Gly Ser Leu	Ser Val Gln Asp Leu	
	350	355	360

Gln	Ala	Ser	Gln	Ser	Ala	Cys	Tyr	Trp	Leu	Lys	Gly	Val	Arg	Tyr	
				365					370					375	
Ser	Asp	Ile	Gly	Thr	Leu	Ala	Trp	Met	Ile	Thr	Leu	Ser	Asp	Gly	
				380					385					390	
Leu	His	Asn	Phe	Ile	Asp	Gly	Leu	Ala	Ile	Gly	Ala	Ser	Phe	Thr	
				395					400					405	
Val	Ser	Val	Phe	Gln	Gly	Ile	Ser	Thr	Ser	Val	Ala	Ile	Leu	Cys	
				410					415					420	
Glu	Glu	Phe	Pro	His	Glu	Leu	Gly	Asp	Phe	Val	Ile	Leu	Leu	Asn	
				425					430					435	
Ala	Gly	Met	Ser	Ile	Gln	Gln	Ala	Leu	Phe	Phe	Asn	Phe	Leu	Ser	
				440					445					450	
Ala	Cys	Cys	Cys	Tyr	Leu	Gly	Leu	Ala	Phe	Gly	Ile	Leu	Ala	Gly	
				455					460					465	
Ser	His	Phe	Ser	Ala	Asn	Trp	Ile	Phe	Ala	Leu	Ala	Gly	Gly	Met	
				470					475					480	
Phe	Leu	Tyr	Ile	Ser	Leu	Ala	Asp	Met	Phe	Pro	Glu	Met	Asn	Glu	
				485					490					495	
Val	Cys	Gln	Glu	Asp	Glu	Arg	Lys	Gly	Ser	Ile	Leu	Ile	Pro	Phe	
				500					505					510	
Ile	Ile	Gln	Asn	Leu	Gly	Leu	Leu	Thr	Gly	Phe	Thr	Ile	Met	Val	
				515					520					525	
Val	Leu	Thr	Met	Tyr	Ser	Gly	Gln	Ile	Gln	Ile	Gly				
				530					535						

<210> 45

<211> 584

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3082014CD1

<400> 45

Met	Leu	Trp	Gly	Gly	Arg	Val	Gly	Leu	Thr	Gly	Val	Phe	Gln	Ser	
1				5					10					15	
Leu	Ser	Tyr	Arg	Gly	Lys	Cys	Ser	Val	Thr	Leu	Leu	Asn	Glu	Thr	
				20					25					30	
Asp	Ile	Leu	Ser	Gln	Tyr	Leu	Glu	Lys	Glu	Asp	Cys	Phe	Phe	Tyr	
				35					40					45	
Ser	Leu	Val	Phe	Asp	Pro	Val	Gln	Lys	Thr	Leu	Leu	Ala	Asp	Gln	
				50					55					60	
Gly	Glu	Ile	Arg	Val	Gly	Cys	Lys	Tyr	Gln	Ala	Glu	Ile	Pro	Asp	
				65					70					75	
Arg	Leu	Val	Glu	Gly	Glu	Ser	Asp	Asn	Arg	Asn	Gln	Gln	Lys	Met	
				80					85					90	
Glu	Met	Lys	Val	Trp	Asp	Pro	Asp	Asn	Pro	Leu	Thr	Asp	Arg	Gln	
				95					100					105	
Ile	Asp	Gln	Phe	Leu	Val	Val	Ala	Arg	Ala	Val	Gly	Thr	Phe	Ala	
				110					115					120	
Arg	Ala	Leu	Asp	Cys	Ser	Ser	Ser	Ile	Arg	Gln	Pro	Ser	Leu	His	
				125					130					135	
Met	Ser	Ala	Ala	Ala	Ala	Ser	Arg	Asp	Ile	Thr	Leu	Phe	His	Ala	
				140					145					150	
Met	Asp	Thr	Leu	Gln	Arg	Asn	Gly	Tyr	Asp	Leu	Ala	Lys	Ala	Met	
				155					160					165	
Ser	Thr	Leu	Val	Pro	Gln	Gly	Gly	Pro	Val	Leu	Cys	Arg	Asp	Glu	
				170					175					180	
Met	Glu	Glu	Trp	Ser	Ala	Ser	Glu	Ala	Met	Leu	Phe	Glu	Glu	Ala	
				185					190					195	
Leu	Glu	Lys	Tyr	Gly	Lys	Asp	Phe	Asn	Asp	Ile	Arg	Gln	Asp	Phe	
				200					205					210	
Leu	Pro	Trp	Lys	Ser	Leu	Ala	Ser	Ile	Val	Gln	Phe	Tyr	Tyr	Met	

215	220	225
Trp Lys Thr Thr Asp Arg Tyr Ile Gln Gln Lys Arg Leu Lys Ala		
230	235	240
Ala Glu Ala Asp Ser Lys Leu Lys Gln Val Tyr Ile Pro Thr Tyr		
245	250	255
Thr Lys Pro Asn Pro Asn Gln Ile Ile Ser Val Gly Ser Lys Pro		
260	265	270
Gly Met Asn Gly Ala Gly Phe Gln Lys Gly Leu Thr Cys Glu Ser		
275	280	285
Cys His Thr Thr Gln Ser Ala Gln Trp Tyr Ala Trp Gly Pro Pro		
290	295	300
Asn Met Gln Cys Arg Leu Cys Ala Ser Cys Trp Ile Tyr Trp Lys		
305	310	315
Lys Tyr Gly Gly Leu Lys Thr Pro Thr Gln Leu Glu Gly Ala Thr		
320	325	330
Arg Gly Thr Thr Glu Pro His Ser Arg Gly His Leu Ser Arg Pro		
335	340	345
Glu Ala Gln Ser Leu Ser Pro Tyr Thr Thr Ser Ala Asn Arg Ala		
350	355	360
Lys Leu Leu Ala Lys Asn Arg Gln Thr Phe Leu Leu Gln Thr Thr		
365	370	375
Lys Leu Thr Arg Leu Ala Arg Arg Met Cys Arg Asp Leu Leu Gln		
380	385	390
Pro Arg Arg Ala Ala Arg Arg Pro Tyr Ala Pro Ile Asn Ala Asn		
395	400	405
Ala Ile Lys Ala Glu Cys Ser Ile Arg Leu Pro Lys Ala Ala Lys		
410	415	420
Thr Pro Leu Lys Ile His Pro Leu Val Arg Leu Pro Leu Ala Thr		
425	430	435
Ile Val Lys Asp Leu Val Ala Gln Ala Pro Leu Lys Pro Lys Thr		
440	445	450
Pro Arg Gly Thr Lys Thr Pro Ile Asn Arg Asn Gln Leu Ser Gln		
455	460	465
Asn Arg Gly Leu Gly Ile Met Val Lys Arg Ala Tyr Glu Thr		
470	475	480
Met Ala Gly Ala Gly Val Pro Phe Ser Ala Asn Gly Arg Pro Leu		
485	490	495
Ala Ser Gly Ile Arg Ser Ser Ser Gln Pro Ala Ala Lys Arg Gln		
500	505	510
Lys Leu Asn Pro Ala Asp Ala Pro Asn Pro Val Val Phe Val Ala		
515	520	525
Thr Lys Asp Thr Arg Ala Leu Arg Lys Ala Leu Thr His Leu Glu		
530	535	540
Met Arg Arg Ala Ala Arg Arg Pro Asn Leu Pro Leu Lys Val Lys		
545	550	555
Pro Thr Leu Ile Ala Val Arg Pro Pro Val Pro Leu Pro Ala Pro		
560	565	570
Ser His Pro Ala Ser Thr Asn Glu Pro Ile Val Leu Glu Asp		
575	580	

<210> 46

<211> 425

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3520701CD1

<400> 46

Met Ala Gly Ala Glu Gly Ala Ala Gly Arg Gln Ser Glu Leu Glu		
1	5	10
Pro Val Val Ser Leu Val Asp Val Leu Glu Glu Asp Glu Glu Leu		
	20	25
		30

Glu	Asn	Glu	Ala	Cys	Ala	Val	Leu	Gly	Gly	Ser	Asp	Ser	Glu	Lys
				35					40					45
Cys	Ser	Tyr	Ser	Gln	Gly	Ser	Val	Lys	Arg	Gln	Ala	Leu	Tyr	Ala
				50					55					60
Cys	Ser	Thr	Cys	Thr	Pro	Glu	Gly	Glu	Glu	Pro	Ala	Gly	Ile	Cys
				65					70					75
Leu	Ala	Cys	Ser	Tyr	Glu	Cys	His	Gly	Ser	His	Lys	Leu	Phe	Glu
				80					85					90
Leu	Tyr	Thr	Lys	Arg	Asn	Phe	Arg	Cys	Asp	Cys	Gly	Asn	Ser	Lys
				95					100					105
Phe	Lys	Asn	Leu	Glu	Cys	Lys	Leu	Leu	Pro	Asp	Lys	Ala	Lys	Val
				110					115					120
Asn	Ser	Gly	Asn	Lys	Tyr	Asn	Asp	Asn	Phe	Phe	Gly	Leu	Tyr	Cys
				125					130					135
Ile	Cys	Lys	Arg	Pro	Tyr	Pro	Asp	Pro	Glu	Asp	Glu	Ile	Pro	Asp
				140					145					150
Glu	Met	Ile	Gln	Cys	Val	Val	Cys	Glu	Asp	Trp	Phe	His	Gly	Arg
				155					160					165
His	Leu	Gly	Ala	Ile	Pro	Pro	Glu	Ser	Gly	Asp	Phe	Gln	Glu	Met
				170					175					180
Val	Cys	Gln	Ala	Cys	Met	Lys	Arg	Cys	Ser	Phe	Leu	Trp	Ala	Tyr
				185					190					195
Ala	Ala	Gln	Leu	Ala	Val	Thr	Lys	Ile	Ser	Thr	Glu	Asp	Asp	Gly
				200					205					210
Leu	Val	Arg	Asn	Ile	Asp	Gly	Ile	Gly	Asp	Gln	Glu	Val	Ile	Lys
				215					220					225
Pro	Glu	Asn	Gly	Glu	His	Gln	Asp	Ser	Thr	Leu	Lys	Glu	Asp	Val
				230					235					240
Pro	Glu	Gln	Gly	Lys	Asp	Asp	Val	Arg	Glu	Val	Lys	Val	Glu	Gln
				245					250					255
Asn	Ser	Glu	Pro	Cys	Ala	Gly	Ser	Ser	Ser	Glu	Ser	Asp	Leu	Gln
				260					265					270
Thr	Val	Phe	Lys	Asn	Glu	Ser	Leu	Asn	Ala	Glu	Ser	Lys	Ser	Gly
				275					280					285
Cys	Lys	Leu	Gln	Glu	Leu	Lys	Ala	Lys	Gln	Leu	Ile	Lys	Lys	Asp
				290					295					300
Thr	Ala	Thr	Tyr	Trp	Pro	Leu	Asn	Trp	Arg	Ser	Lys	Leu	Cys	Thr
				305					310					315
Cys	Gln	Asp	Cys	Met	Lys	Met	Tyr	Gly	Asp	Leu	Asp	Val	Leu	Phe
				320					325					330
Leu	Thr	Asp	Glu	Tyr	Asp	Thr	Val	Leu	Ala	Tyr	Glu	Asn	Lys	Gly
				335					340					345
Lys	Ile	Ala	Gln	Ala	Thr	Asp	Arg	Ser	Asp	Pro	Leu	Met	Asp	Thr
				350					355					360
Leu	Ser	Ser	Met	Asn	Arg	Val	Gln	Gln	Val	Glu	Leu	Ile	Cys	Glu
				365					370					375
Tyr	Asn	Asp	Leu	Lys	Thr	Glu	Leu	Lys	Asp	Tyr	Leu	Lys	Arg	Phe
				380					385					390
Ala	Asp	Glu	Gly	Thr	Val	Val	Lys	Arg	Glu	Asp	Ile	Gln	Gln	Phe
				395					400					405
Phe	Glu	Glu	Phe	Gln	Ser	Lys	Lys	Arg	Arg	Arg	Val	Asp	Gly	Met
				410					415					420
Gln	Tyr	Tyr	Cys	Ser										
				425										

<210> 47

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4184320CD1

<400> 47

Met	Tyr	Val	Arg	Val	Ser	Phe	Asp	Thr	Lys	Pro	Asp	Leu	Leu	Leu
1				5					10					15
His	Leu	Met	Thr	Lys	Glu	Trp	Gln	Leu	Glu	Leu	Pro	Lys	Leu	Leu
				20					25					30
Ile	Ser	Val	His	Gly	Gly	Leu	Gln	Asn	Phe	Glu	Leu	Gln	Pro	Lys
				35					40					45
Leu	Lys	Gln	Val	Phe	Gly	Lys	Gly	Leu	Ile	Lys	Ala	Ala	Met	Thr
				50					55					60
Thr	Gly	Ala	Trp	Ile	Phe	Thr	Gly	Gly	Val	Asn	Thr	Gly	Val	Ile
				65					70					75
Arg	His	Val	Gly	Asp	Ala	Leu	Lys	Asp	His	Ala	Ser	Lys	Ser	Arg
				80					85					90
Gly	Lys	Ile	Cys	Thr	Ile	Gly	Ile	Ala	Pro	Trp	Gly	Ile	Val	Glu
				95					100					105
Asn	Gln	Glu	Asp	Leu	Ile	Gly	Arg	Asp	Val	Val	Arg	Pro	Tyr	Gln
				110					115					120
Thr	Met	Ser	Asn	Pro	Met	Ser	Lys	Leu	Thr	Val	Leu	Asn	Ser	Met
				125					130					135
His	Ser	His	Phe	Ile	Leu	Ala	Asp	Asn	Gly	Thr	Thr	Gly	Lys	Tyr
				140					145					150
Gly	Ala	Glu	Val	Lys	Leu	Arg	Arg	Gln	Leu	Glu	Lys	His	Ile	Ser
				155					160					165
Leu	Gln	Lys	Ile	Asn	Thr	Arg	Cys	Leu	Pro	Phe	Phe	Ser	Leu	Asp
				170					175					180
Ser	Arg	Leu	Phe	Tyr	Ser	Phe	Trp	Gly	Ser	Cys	Gln	Leu	Asp	Ser
				185					190					195
Val	Gly	Ile	Gly	Gln	Gly	Val	Pro	Val	Val	Ala	Leu	Ile	Val	Glu
				200					205					210
Gly	Gly	Pro	Asn	Val	Ile	Ser	Ile	Val	Leu	Glu	Tyr	Leu	Arg	Asp
				215					220					225
Thr	Pro	Pro	Val	Pro	Val	Val	Val	Cys	Asp	Gly	Ser	Gly	Arg	Ala
				230					235					240
Ser	Asp	Ile	Leu	Ala	Phe	Gly	His	Lys	Tyr	Ser	Glu	Glu	Gly	Gly
				245					250					255

<210> 48

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4764233CD1

<400> 48

Met	Ser	Trp	Arg	Gly	Arg	Ser	Thr	Tyr	Arg	Pro	Arg	Pro	Arg	Arg
1				5					10					15
Ser	Leu	Gln	Pro	Pro	Glu	Leu	Ile	Gly	Ala	Met	Leu	Glu	Pro	Thr
				20					25					30
Asp	Glu	Glu	Pro	Lys	Glu	Glu	Lys	Pro	Pro	Thr	Lys	Ser	Arg	Asn
				35					40					45
Pro	Thr	Pro	Asp	Gln	Lys	Arg	Glu	Asp	Asp	Gln	Gly	Ala	Ala	Glu
				50					55					60
Ile	Gln	Val	Pro	Asp	Leu	Glu	Ala	Asp	Leu	Gln	Glu	Leu	Cys	Gln
				65					70					75
Thr	Lys	Thr	Gly	Asp	Gly	Cys	Glu	Gly	Gly	Thr	Asp	Val	Lys	Gly
				80					85					90
Lys	Ile	Leu	Pro	Lys	Ala	Glu	His	Phe	Lys	Met	Pro	Glu	Ala	Gly
				95					100					105
Glu	Gly	Lys	Ser	Gln	Val									
				110										

<210> 49

<211> 422
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 4817352CD1

<400> 49
 Met Gly Lys Ala Lys Val Pro Ala Ser Lys Arg Ala Pro Ser Ser
 1 5 10 15
 Pro Val Ala Lys Pro Gly Pro Val Lys Thr Leu Thr Arg Lys Lys
 20 25 30
 Asn Lys Lys Lys Lys Arg Phe Trp Lys Ser Lys Ala Arg Glu Val
 35 40 45
 Ser Lys Lys Pro Ala Ser Gly Pro Gly Ala Val Val Arg Pro Pro
 50 55 60
 Lys Ala Pro Glu Asp Phe Ser Gln Asn Trp Lys Ala Leu Gln Glu
 65 70 75
 Trp Leu Leu Lys Gln Lys Ser Gln Ala Pro Glu Lys Pro Leu Val
 80 85 90
 Ile Ser Gln Met Gly Ser Lys Lys Lys Pro Lys Ile Ile Gln Gln
 95 100 105
 Asn Lys Lys Glu Thr Ser Pro Gln Val Lys Gly Glu Glu Met Pro
 110 115 120
 Ala Gly Lys Asp Gln Glu Ala Ser Arg Gly Ser Val Pro Ser Gly
 125 130 135
 Ser Lys Met Asp Arg Arg Ala Pro Val Pro Arg Thr Lys Ala Ser
 140 145 150
 Gly Thr Glu His Asn Lys Lys Gly Thr Lys Glu Arg Thr Asn Gly
 155 160 165
 Asp Ile Val Pro Glu Arg Gly Asp Ile Glu His Lys Lys Arg Lys
 170 175 180
 Ala Lys Glu Ala Ala Pro Ala Pro Pro Thr Glu Glu Asp Ile Trp
 185 190 195
 Phe Asp Asp Val Asp Pro Ala Asp Ile Glu Ala Ala Ile Gly Pro
 200 205 210
 Glu Ala Ala Lys Ile Ala Arg Lys Gln Leu Gly Gln Ser Glu Gly
 215 220 225
 Ser Val Ser Leu Ser Leu Val Lys Glu Gln Ala Phe Gly Gly Leu
 230 235 240
 Thr Arg Ala Leu Ala Leu Asp Cys Glu Met Val Gly Val Gly Pro
 245 250 255
 Lys Gly Glu Glu Ser Met Ala Ala Arg Val Ser Ile Val Asn Gln
 260 265 270
 Tyr Gly Lys Cys Val Tyr Asp Lys Tyr Val Lys Pro Thr Glu Pro
 275 280 285
 Val Thr Asp Tyr Arg Thr Ala Val Ser Gly Ile Arg Pro Glu Asn
 290 295 300
 Leu Lys Gln Gly Glu Glu Leu Glu Val Val Gln Lys Glu Val Ala
 305 310 315
 Glu Met Leu Lys Gly Arg Ile Leu Val Gly His Ala Leu His Asn
 320 325 330
 Asp Leu Lys Val Leu Phe Leu Asp His Pro Lys Lys Lys Ile Arg
 335 340 345
 Asp Thr Gln Lys Tyr Lys Pro Phe Lys Ser Gln Val Lys Ser Gly
 350 355 360
 Arg Pro Ser Leu Arg Leu Leu Ser Glu Lys Ile Leu Gly Leu Gln
 365 370 375
 Val Gln Gln Ala Glu His Cys Ser Ile Gln Asp Ala Gln Ala Ala
 380 385 390
 Met Arg Leu Tyr Val Met Val Lys Lys Glu Trp Glu Ser Met Ala
 395 400 405

Arg Asp Arg Arg Pro Leu Leu Thr Ala Pro Asp His Cys Ser Asp
 410 415 420
 Asp Ala

<210> 50
 <211> 397
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 5040573CD1

<400> 50
 Met Ala Met Ile Glu Leu Gly Phe Gly Arg Gln Asn Phe His Pro
 1 5 10 15
 Leu Lys Arg Lys Ser Ser Leu Leu Leu Lys Leu Ile Ala Val Val
 20 25 30
 Phe Ala Val Leu Leu Phe Cys Glu Phe Leu Ile Tyr Tyr Leu Ala
 35 40 45
 Ile Phe Gln Cys Asn Trp Pro Glu Val Lys Thr Thr Ala Ser Asp
 50 55 60
 Gly Glu Gln Thr Thr Arg Glu Pro Val Leu Lys Ala Met Phe Leu
 65 70 75
 Ala Asp Thr His Leu Leu Gly Glu Phe Leu Gly His Trp Leu Asp
 80 85 90
 Lys Leu Arg Arg Glu Trp Gln Met Glu Arg Ala Phe Gln Thr Ala
 95 100 105
 Leu Trp Leu Leu Gln Pro Glu Val Val Phe Ile Leu Gly Asp Ile
 110 115 120
 Phe Asp Glu Gly Lys Trp Ser Thr Pro Glu Ala Trp Ala Asp Asp
 125 130 135
 Val Glu Arg Phe Gln Lys Met Phe Arg His Pro Ser His Val Gln
 140 145 150
 Leu Lys Val Val Ala Gly Asn His Asp Ile Gly Phe His Tyr Glu
 155 160 165
 Met Asn Thr Tyr Lys Val Glu Arg Phe Glu Lys Val Phe Ser Ser
 170 175 180
 Glu Arg Leu Phe Ser Trp Lys Gly Ile Asn Phe Val Met Val Asn
 185 190 195
 Ser Val Ala Leu Asn Gly Asp Gly Cys Gly Ile Cys Ser Glu Thr
 200 205 210
 Glu Ala Glu Leu Ile Glu Val Ser His Arg Leu Asn Cys Ser Arg
 215 220 225
 Glu Gln Ala Arg Gly Ser Ser Arg Cys Gly Pro Gly Pro Leu Leu
 230 235 240
 Pro Thr Ser Ala Pro Val Leu Leu Gln His Tyr Pro Leu Tyr Arg
 245 250 255
 Arg Ser Asp Ala Asn Cys Ser Gly Glu Asp Ala Ala Pro Pro Glu
 260 265 270
 Glu Arg Asp Ile Pro Phe Lys Glu Asn Tyr Asp Val Leu Ser Arg
 275 280 285
 Glu Ala Ser Gln Lys Leu Leu Trp Trp Leu Gln Pro Arg Leu Val
 290 295 300
 Leu Ser Gly His Thr His Ser Ala Cys Glu Val His His Gly Gly
 305 310 315
 Arg Val Pro Glu Leu Ser Val Pro Ser Phe Ser Trp Arg Asn Arg
 320 325 330
 Asn Asn Pro Ser Phe Ile Met Gly Ser Ile Thr Pro Thr Asp Tyr
 335 340 345
 Thr Leu Ser Lys Cys Tyr Leu Pro Arg Glu Asp Val Val Leu Ile
 350 355 360
 Ile Tyr Cys Gly Val Val Gly Phe Leu Val Val Leu Thr Leu Thr

	365		370		375
His Phe Gly Leu	Leu Ala Ser Pro Phe	Leu Ser Gly Leu Asn	Leu		
	380		385		390
Leu Gly Lys Arg	Lys Thr Arg				
	395				

<210> 51
 <211> 800
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 5627029CD1

<400> 51

Met Gly Ser Ser Lys	Lys His Arg Gly Glu	Lys Glu Ala Ala Gly	
1	5	10	15
Thr Thr Ala Ala Ala	Gly Thr Gly Gly Ala	Thr Glu Gln Pro Pro	
	20	25	30
Arg His Arg Glu His	Lys Lys His Lys His	Arg Ser Gly Gly Ser	
	35	40	45
Gly Gly Ser Gly Gly	Glu Arg Arg Lys Arg	Ser Arg Glu Arg Gly	
	50	55	60
Gly Glu Arg Gly Ser	Gly Arg Arg Gly Ala	Glu Ala Glu Ala Arg	
	65	70	75
Ser Ser Thr His Gly	Arg Glu Arg Ser Gln	Ala Glu Pro Ser Glu	
	80	85	90
Arg Arg Val Lys Arg	Glu Lys Arg Asp Asp	Gly Tyr Glu Ala Ala	
	95	100	105
Ala Ser Ser Lys Thr	Ser Ser Gly Asp Ala	Ser Ser Leu Ser Ile	
	110	115	120
Glu Glu Thr Asn Lys	Leu Arg Ala Lys Leu	Gly Leu Lys Pro Leu	
	125	130	135
Glu Val Asn Ala Ile	Lys Lys Glu Ala Gly	Thr Lys Glu Glu Pro	
	140	145	150
Val Thr Ala Asp Val	Ile Asn Pro Met Ala	Leu Arg Gln Arg Glu	
	155	160	165
Glu Leu Arg Glu Lys	Leu Ala Ala Ala Lys	Glu Lys Arg Leu Leu	
	170	175	180
Asn Gln Lys Leu Gly	Lys Ile Lys Thr Leu	Gly Glu Asp Asp Pro	
	185	190	195
Trp Leu Asp Asp Thr	Ala Ala Trp Ile Glu	Arg Ser Arg Gln Leu	
	200	205	210
Gln Lys Glu Lys Asp	Leu Ala Glu Lys Arg	Ala Lys Leu Leu Glu	
	215	220	225
Glu Met Asp Gln Glu	Phe Gly Val Ser Thr	Leu Val Glu Glu Glu	
	230	235	240
Phe Gly Gln Arg Arg	Gln Asp Leu Tyr Ser	Ala Arg Asp Leu Gln	
	245	250	255
Gly Leu Thr Val Glu	His Ala Ile Asp Ser	Phe Arg Glu Gly Glu	
	260	265	270
Thr Met Ile Leu Thr	Leu Lys Asp Lys Gly	Val Leu Gln Glu Glu	
	275	280	285
Glu Asp Val Leu Val	Asn Val Asn Leu Val	Asp Lys Glu Arg Ala	
	290	295	300
Glu Lys Asn Val Glu	Leu Arg Lys Lys Lys	Pro Asp Tyr Leu Pro	
	305	310	315
Tyr Ala Glu Asp Glu	Ser Val Asp Asp Leu	Ala Gln Gln Lys Pro	
	320	325	330
Arg Ser Ile Leu Ser	Lys Tyr Asp Glu Glu	Leu Glu Gly Glu Arg	
	335	340	345
Pro His Ser Phe Arg	Leu Glu Gln Gly Gly	Thr Ala Asp Gly Leu	
	350	355	360

Arg	Glu	Arg	Glu	Leu	Glu	Glu	Ile	Arg	Ala	Lys	Leu	Arg	Leu	Gln
				365					370					375
Ala	Gln	Ser	Leu	Ser	Thr	Val	Gly	Pro	Arg	Leu	Ala	Ser	Glu	Tyr
				380					385					390
Leu	Thr	Pro	Glu	Glu	Met	Val	Thr	Phe	Lys	Lys	Thr	Lys	Arg	Arg
				395					400					405
Val	Lys	Lys	Ile	Arg	Lys	Lys	Glu	Lys	Glu	Val	Val	Val	Arg	Ala
				410					415					420
Asp	Asp	Leu	Leu	Pro	Leu	Gly	Asp	Gln	Thr	Gln	Asp	Gly	Asp	Phe
				425					430					435
Gly	Ser	Arg	Leu	Arg	Gly	Arg	Gly	Arg	Arg	Arg	Val	Ser	Glu	Val
				440					445					450
Glu	Glu	Glu	Lys	Glu	Pro	Val	Pro	Gln	Pro	Leu	Pro	Ser	Asp	Asp
				455					460					465
Thr	Arg	Val	Glu	Asn	Met	Asp	Ile	Ser	Asp	Glu	Glu	Glu	Gly	Gly
				470					475					480
Ala	Pro	Pro	Pro	Ala	Ser	Pro	Gln	Val	Leu	Glu	Glu	Asp	Glu	Ala
				485					490					495
Glu	Leu	Glu	Leu	Gln	Lys	Gln	Leu	Glu	Lys	Gly	Arg	Arg	Leu	Arg
				500					505					510
Gln	Leu	Gln	Gln	Leu	Gln	Gln	Leu	Arg	Asp	Ser	Gly	Glu	Lys	Val
				515					520					525
Val	Glu	Ile	Val	Lys	Lys	Leu	Glu	Ser	Arg	Gln	Arg	Gly	Trp	Glu
				530					535					540
Glu	Asp	Glu	Asp	Pro	Glu	Arg	Lys	Gly	Ala	Ile	Val	Phe	Asn	Ala
				545					550					555
Thr	Ser	Glu	Phe	Cys	Arg	Thr	Leu	Gly	Glu	Ile	Pro	Thr	Tyr	Gly
				560					565					570
Leu	Ala	Gly	Asn	Arg	Glu	Glu	Gln	Glu	Glu	Leu	Met	Asp	Phe	Glu
				575					580					585
Arg	Asp	Glu	Glu	Arg	Ser	Ala	Asn	Gly	Gly	Ser	Glu	Ser	Asp	Gly
				590					595					600
Glu	Glu	Asn	Ile	Gly	Trp	Ser	Thr	Val	Asn	Leu	Asp	Glu	Glu	Lys
				605					610					615
Gln	Gln	Gln	Asp	Phe	Ser	Ala	Ser	Ser	Thr	Thr	Ile	Leu	Asp	Glu
				620					625					630
Glu	Pro	Ile	Val	Asn	Arg	Gly	Leu	Ala	Ala	Ala	Leu	Leu	Leu	Cys
				635					640					645
Gln	Asn	Lys	Gly	Leu	Leu	Glu	Thr	Thr	Val	Gln	Lys	Val	Ala	Arg
				650					655					660
Val	Lys	Ala	Pro	Asn	Lys	Ser	Leu	Pro	Ser	Ala	Val	Tyr	Cys	Ile
				665					670					675
Glu	Asp	Lys	Met	Ala	Ile	Asp	Asp	Lys	Tyr	Ser	Arg	Arg	Glu	Glu
				680					685					690
Tyr	Arg	Gly	Phe	Thr	Gln	Asp	Phe	Lys	Glu	Lys	Asp	Gly	Tyr	Lys
				695					700					705
Pro	Asp	Val	Lys	Ile	Glu	Tyr	Val	Asp	Glu	Thr	Gly	Arg	Lys	Leu
				710					715					720
Thr	Pro	Lys	Glu	Ala	Phe	Arg	Gln	Leu	Ser	His	Arg	Phe	His	Gly
				725					730					735
Lys	Gly	Ser	Gly	Lys	Met	Lys	Thr	Glu	Arg	Arg	Met	Lys	Lys	Leu
				740					745					750
Asp	Glu	Glu	Ala	Leu	Leu	Lys	Lys	Met	Ser	Ser	Ser	Asp	Thr	Pro
				755					760					765
Leu	Gly	Thr	Val	Ala	Leu	Leu	Gln	Glu	Lys	Gln	Lys	Ala	Gln	Lys
				770					775					780
Thr	Pro	Tyr	Ile	Val	Leu	Ser	Gly	Ser	Gly	Lys	Ser	Met	Asn	Ala
				785					790					795
Asn	Thr	Ile	Thr	Lys										
				800										

<210> 52

<211> 713

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5678487CD1

<400> 52

Met	Ala	Lys	Ser	Pro	Glu	Asn	Ser	Thr	Leu	Glu	Glu	Ile	Leu	Gly	1	5	10	15
Gln	Tyr	Gln	Arg	Ser	Leu	Arg	Glu	His	Ala	Ser	Arg	Ser	Ile	His	20	25	30	35
Gln	Leu	Thr	Cys	Ala	Leu	Lys	Glu	Gly	Asp	Val	Thr	Ile	Gly	Glu	40	45	50	55
Asp	Ala	Pro	Asn	Leu	Ser	Phe	Ser	Thr	Ser	Val	Gly	Asn	Glu	Asp	60	65	70	75
Ala	Arg	Thr	Ala	Trp	Pro	Glu	Leu	Gln	Gln	Ser	His	Ala	Val	Asn	80	85	90	95
Val	Ser	Pro	Ser	Arg	Arg	Arg	Lys	Met	Ser	Pro	Leu	Arg	Ser	Leu	100	105	110	115
Glu	His	Glu	Glu	Thr	Asn	Met	Pro	Thr	Met	His	Asp	Leu	Val	His	120	125	130	135
Thr	Ile	Asn	Asp	Gln	Ser	Gln	Tyr	Ile	His	His	Leu	Glu	Ala	Glu	140	145	150	155
Val	Lys	Phe	Cys	Lys	Glu	Glu	Leu	Ser	Gly	Met	Lys	Asn	Lys	Ile	160	165	170	175
Gln	Val	Val	Val	Leu	Glu	Asn	Glu	Gly	Leu	Gln	Gln	Gln	Leu	Lys	180	185	190	195
Ser	Gln	Arg	Gln	Glu	Glu	Thr	Leu	Arg	Glu	Gln	Thr	Leu	Leu	Asp	200	205	210	215
Ala	Ser	Gly	Asn	Met	His	Asn	Ser	Trp	Ile	Thr	Thr	Gly	Glu	Asp	220	225	230	235
Ser	Gly	Val	Gly	Glu	Thr	Ser	Lys	Arg	Pro	Phe	Ser	His	Asp	Asn	240	245	250	255
Ala	Asp	Phe	Gly	Lys	Ala	Ala	Ser	Ala	Gly	Glu	Gln	Leu	Glu	Leu	260	265	270	275
Glu	Lys	Leu	Lys	Leu	Thr	Tyr	Glu	Glu	Lys	Cys	Glu	Ile	Glu	Glu	280	285	290	295
Ser	Gln	Leu	Lys	Phe	Leu	Arg	Asn	Asp	Leu	Ala	Glu	Tyr	Gln	Arg	300	305	310	315
Thr	Cys	Glu	Asp	Leu	Lys	Glu	Gln	Leu	Lys	His	Lys	Glu	Phe	Leu	320	325	330	335
Leu	Ala	Ala	Asn	Thr	Cys	Asn	Arg	Val	Gly	Gly	Leu	Cys	Leu	Lys	340	345	350	355
Cys	Ala	Gln	His	Glu	Ala	Val	Leu	Ser	Gln	Thr	His	Thr	Asn	Val	360	365	370	375
His	Met	Gln	Thr	Ile	Glu	Arg	Leu	Val	Lys	Glu	Arg	Asp	Asp	Leu	380	385	390	395
Met	Ser	Ala	Leu	Val	Ser	Val	Arg	Ser	Ser	Leu	Ala	Asp	Thr	Gln	400	405	410	415
Gln	Arg	Glu	Ala	Ser	Ala	Tyr	Glu	Gln	Val	Lys	Gln	Val	Leu	Gln	420			
Ile	Ser	Glu	Glu	Ala	Asn	Phe	Glu	Lys	Thr	Lys	Ala	Leu	Ile	Gln				
Cys	Asp	Gln	Leu	Arg	Lys	Glu	Leu	Glu	Arg	Gln	Ala	Glu	Arg	Leu				
Glu	Lys	Asp	Leu	Ala	Ser	Gln	Gln	Glu	Lys	Arg	Ala	Ile	Glu	Lys				
Asp	Met	Met	Lys	Lys	Glu	Ile	Thr	Lys	Glu	Arg	Glu	Tyr	Met	Gly				
Ser	Lys	Met	Leu	Ile	Leu	Ser	Gln	Asn	Ile	Ala	Gln	Leu	Glu	Ala				

Gln Val Glu Lys Val Thr Lys Glu Lys Ile Ser Ala Ile Asn Gln
 425 430 435
 Leu Glu Glu Ile Gln Ser Gln Leu Ala Ser Arg Glu Met Asp Val
 440 445 450
 Thr Lys Val Cys Gly Glu Met Arg Tyr Gln Leu Asn Lys Thr Asn
 455 460 465
 Met Glu Lys Asp Glu Ala Glu Lys Glu His Arg Glu Phe Arg Ala
 470 475 480
 Lys Thr Asn Arg Asp Leu Glu Ile Lys Asp Gln Glu Ile Glu Lys
 485 490 495
 Leu Arg Ile Glu Leu Asp Glu Ser Lys Gln His Leu Glu Gln Glu
 500 505 510
 Gln Gln Lys Ala Ala Leu Ala Arg Glu Glu Cys Leu Arg Leu Thr
 515 520 525
 Glu Leu Leu Gly Glu Ser Glu His Gln Leu His Leu Thr Arg Gln
 530 535 540
 Glu Lys Asp Ser Ile Gln Gln Ser Phe Ser Lys Glu Ala Lys Ala
 545 550 555
 Gln Ala Leu Gln Ala Gln Gln Arg Glu Gln Glu Leu Thr Gln Lys
 560 565 570
 Ile Gln Gln Met Glu Ala Gln His Asp Lys Thr Glu Asn Glu Gln
 575 580 585
 Tyr Leu Leu Leu Thr Ser Gln Asn Thr Phe Leu Thr Lys Leu Lys
 590 595 600
 Glu Glu Cys Cys Thr Leu Ala Lys Lys Leu Glu Gln Ile Ser Gln
 605 610 615
 Lys Thr Arg Ser Glu Ile Ala Gln Leu Ser Gln Glu Lys Arg Tyr
 620 625 630
 Thr Tyr Asp Lys Leu Gly Lys Leu Gln Arg Arg Asn Glu Glu Leu
 635 640 645
 Glu Glu Gln Cys Val Gln His Gly Arg Val His Glu Thr Met Lys
 650 655 660
 Gln Arg Leu Arg Gln Leu Asp Lys His Ser Gln Ala Thr Ala Gln
 665 670 675
 Gln Leu Val Gln Leu Leu Ser Lys Gln Asn Gln Leu Leu Leu Glu
 680 685 690
 Arg Gln Ser Leu Ser Glu Glu Val Asp Arg Leu Arg Thr Gln Leu
 695 700 705
 Pro Ser Met Pro Gln Ser Asp Cys
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<210> 53

<211> 880

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5682976CD1

<400> 53

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 Lys Arg Ser Leu Gly Leu Glu Asp Pro Ser Arg Leu Arg Ser Arg
 20 25 30
 Tyr Leu Gly Arg Arg Glu Phe Ile Gln Arg Leu Lys Leu Glu Ala
 35 40 45
 Thr Leu Asn Val His Asp Gly Cys Val Asn Thr Ile Cys Trp Asn
 50 55 60
 Asp Thr Gly Glu Tyr Ile Leu Ser Gly Ser Asp Asp Thr Lys Leu
 65 70 75
 Val Ile Ser Asn Pro Tyr Ser Arg Lys Val Leu Thr Thr Ile Arg
 80 85 90
 Ser Gly His Arg Ala Asn Ile Phe Ser Ala Lys Phe Leu Pro Cys

	95		100		105
Thr Asn Asp Lys	Gln Ile Val Ser Cys	Ser Gly Asp Gly Val	Ile		
	110		115		120
Phe Tyr Thr Asn	Val Glu Gln Asp Ala	Glu Thr Asn Arg Gln	Cys		
	125		130		135
Gln Phe Thr Cys	His Tyr Gly Thr Thr	Tyr Glu Ile Met Thr	Val		
	140		145		150
Pro Asn Asp Pro	Tyr Thr Phe Leu Ser	Cys Gly Glu Asp Gly	Thr		
	155		160		165
Val Arg Trp Phe	Asp Thr Arg Ile Lys	Thr Ser Cys Thr Lys	Glu		
	170		175		180
Asp Cys Lys Asp	Asp Ile Leu Ile Asn	Cys Arg Arg Ala Ala	Thr		
	185		190		195
Ser Val Ala Ile	Cys Pro Pro Ile Pro	Tyr Tyr Leu Ala Val	Gly		
	200		205		210
Cys Ser Asp Ser	Ser Val Arg Ile Tyr	Asp Arg Arg Met Leu	Gly		
	215		220		225
Thr Arg Ala Thr	Gly Asn Tyr Ala Gly	Arg Gly Thr Thr Gly	Met		
	230		235		240
Val Ala Arg Phe	Ile Pro Ser His Leu	Asn Asn Lys Ser Cys	Arg		
	245		250		255
Val Thr Ser Leu	Cys Tyr Ser Glu Asp	Gly Gln Glu Ile Leu	Val		
	260		265		270
Ser Tyr Ser Ser	Asp Tyr Ile Tyr Leu	Phe Asp Pro Lys Asp	Asp		
	275		280		285
Thr Ala Arg Glu	Leu Lys Thr Pro Ser	Ala Glu Glu Arg Arg	Glu		
	290		295		300
Glu Leu Arg Gln	Pro Pro Val Lys Arg	Leu Arg Leu Arg Gly	Asp		
	305		310		315
Trp Ser Asp Thr	Gly Pro Arg Ala Arg	Pro Glu Ser Glu Arg	Glu		
	320		325		330
Arg Asp Gly Glu	Gln Ser Pro Asn Val	Ser Leu Met Gln Arg	Met		
	335		340		345
Ser Asp Met Leu	Ser Arg Trp Phe Glu	Glu Ala Ser Glu Val	Ala		
	350		355		360
Gln Ser Asn Arg	Gly Arg Gly Arg Ser	Arg Pro Arg Gly Gly	Thr		
	365		370		375
Ser Gln Ser Asp	Ile Ser Thr Leu Pro	Thr Val Pro Ser Ser	Pro		
	380		385		390
Asp Leu Glu Val	Ser Glu Thr Ala Met	Glu Val Asp Thr Pro	Ala		
	395		400		405
Glu Gln Phe Leu	Gln Pro Ser Thr Ser	Ser Thr Met Ser Ala	Gln		
	410		415		420
Ala His Ser Thr	Ser Ser Pro Thr Glu	Ser Pro His Ser Thr	Pro		
	425		430		435
Leu Leu Ser Ser	Pro Asp Ser Glu Gln	Arg Gln Ser Val Glu	Ala		
	440		445		450
Ser Gly His His	Thr His His Gln Ser	Asp Ser Pro Ser Ser	Val		
	455		460		465
Val Asn Lys Gln	Leu Gly Ser Met Ser	Leu Asp Glu Gln Gln	Asp		
	470		475		480
Asn Asn Asn Glu	Lys Leu Ser Pro Lys	Pro Gly Thr Gly Glu	Pro		
	485		490		495
Val Leu Ser Leu	His Tyr Ser Thr Glu	Gly Thr Thr Thr Ser	Thr		
	500		505		510
Ile Lys Leu Asn	Phe Thr Asp Glu Trp	Ser Ser Ile Ala Ser	Ser		
	515		520		525
Ser Arg Gly Ile	Gly Ser His Cys Lys	Ser Glu Gly Gln Glu	Glu		
	530		535		540
Ser Phe Val Pro	Gln Ser Ser Val Gln	Pro Pro Glu Gly Asp	Ser		
	545		550		555
Glu Thr Lys Ala	Pro Glu Glu Ser Ser	Glu Asp Val Thr Lys	Tyr		
	560		565		570

Gln Glu Gly Val Ser Ala Glu Asn Pro Val Glu Asn His Ile Asn
 575 580 585
 Ile Thr Gln Ser Asp Lys Phe Thr Ala Lys Pro Leu Asp Ser Asn
 590 595 600
 Ser Gly Glu Arg Asn Asp Leu Asn Leu Asp Arg Ser Cys Gly Val
 605 610 615
 Pro Glu Glu Ser Ala Ser Ser Glu Lys Ala Lys Glu Pro Glu Thr
 620 625 630
 Ser Asp Gln Thr Ser Thr Glu Ser Ala Thr Asn Glu Asn Asn Thr
 635 640 645
 Asn Pro Glu Pro Gln Phe Gln Thr Glu Ala Thr Gly Pro Ser Ala
 650 655 660
 His Glu Glu Thr Ser Thr Arg Asp Ser Ala Leu Gln Asp Thr Asp
 665 670 675
 Asp Ser Asp Asp Asp Pro Val Leu Ile Pro Gly Ala Arg Tyr Arg
 680 685 690
 Ala Gly Pro Gly Asp Arg Arg Ser Ala Val Ala Arg Ile Gln Glu
 695 700 705
 Phe Phe Arg Arg Arg Lys Glu Arg Lys Glu Met Glu Glu Leu Asp
 710 715 720
 Thr Leu Asn Ile Arg Arg Pro Leu Val Lys Met Val Tyr Lys Gly
 725 730 735
 His Arg Asn Ser Arg Thr Met Ile Lys Glu Ala Asn Phe Trp Gly
 740 745 750
 Ala Asn Phe Val Met Ser Gly Ser Asp Cys Gly His Ile Phe Ile
 755 760 765
 Trp Asp Arg His Thr Ala Glu His Leu Met Leu Leu Glu Ala Asp
 770 775 780
 Asn His Val Val Val Cys Leu Gln Pro His Pro Phe Asp Pro Ile
 785 790 795
 Leu Ala Ser Ser Gly Ile Asp Tyr Asp Ile Lys Ile Trp Ser Pro
 800 805 810
 Leu Glu Glu Ser Arg Ile Phe Asn Arg Lys Leu Ala Asp Glu Val
 815 820 825
 Ile Thr Arg Asn Glu Leu Met Leu Glu Glu Thr Arg Asn Thr Ile
 830 835 840
 Thr Val Pro Ala Ser Phe Met Leu Arg Met Leu Ala Ser Leu Asn
 845 850 855
 His Ile Arg Ala Asp Arg Leu Glu Gly Asp Arg Ser Glu Gly Ser
 860 865 870
 Gly Gln Glu Asn Glu Asn Glu Asp Glu Glu
 875 880

<210> 54

<211> 855

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5992432CD1

<400> 54

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 Val Phe Glu Glu Glu Asp Leu Pro Tyr Glu Glu Glu Ile Met Arg
 20 25 30
 Asn Gln Phe Ser Val Lys Cys Trp Leu Arg Tyr Ile Glu Phe Lys
 35 40 45
 Gln Gly Ala Pro Lys Pro Arg Leu Asn Gln Leu Tyr Glu Arg Ala
 50 55 60
 Leu Lys Leu Leu Pro Cys Ser Tyr Lys Leu Trp Tyr Arg Tyr Leu
 65 70 75
 Lys Ala Arg Arg Ala Gln Val Lys His Arg Cys Val Thr Asp Pro

	80		85		90
Ala Tyr Glu Asp	Val Asn Asn Cys His	Glu Arg Ala Phe Val	Phe		
	95		100		105
Met His Lys Met	Pro Arg Leu Trp Leu	Asp Tyr Cys Gln Phe	Leu		
	110		115		120
Met Asp Gln Gly	Arg Val Thr His Thr	Arg Arg Thr Phe Asp	Arg		
	125		130		135
Ala Leu Arg Ala	Leu Pro Ile Thr Gln	His Ser Arg Ile Trp	Pro		
	140		145		150
Leu Tyr Leu Arg	Phe Leu Arg Ser His	Pro Leu Pro Glu Thr	Ala		
	155		160		165
Val Arg Gly Tyr	Arg Arg Phe Leu Lys	Leu Ser Pro Glu Ser	Ala		
	170		175		180
Glu Glu Tyr Ile	Glu Tyr Leu Lys Ser	Ser Asp Arg Leu Asp	Glu		
	185		190		195
Ala Ala Gln Arg	Leu Ala Thr Val Val	Asn Asp Glu Arg Phe	Val		
	200		205		210
Ser Lys Ala Gly	Lys Ser Asn Tyr Gln	Leu Trp His Glu Leu	Cys		
	215		220		225
Asp Leu Ile Ser	Gln Asn Pro Asp Lys	Val Gln Ser Leu Asn	Val		
	230		235		240
Asp Ala Ile Ile	Arg Gly Gly Leu Thr	Arg Phe Thr Asp Gln	Leu		
	245		250		255
Gly Lys Leu Trp	Cys Ser Leu Ala Asp	Tyr Tyr Ile Arg Ser	Gly		
	260		265		270
His Phe Glu Lys	Ala Arg Asp Val Tyr	Glu Glu Ala Ile Arg	Thr		
	275		280		285
Val Met Thr Val	Arg Asp Phe Thr Gln	Val Phe Asp Ser Tyr	Ala		
	290		295		300
Gln Phe Glu Glu	Ser Met Ile Ala Ala	Lys Met Glu Thr Ala	Ser		
	305		310		315
Glu Leu Gly Arg	Glu Glu Glu Asp Asp	Val Asp Leu Glu Leu	Arg		
	320		325		330
Leu Ala Arg Phe	Glu Gln Leu Ile Ser	Arg Arg Pro Leu Leu	Leu		
	335		340		345
Asn Ser Val Leu	Leu Arg Gln Asn Pro	His His Val His Glu	Trp		
	350		355		360
His Lys Arg Val	Ala Leu His Gln Gly	Arg Pro Arg Glu Ile	Ile		
	365		370		375
Asn Thr Tyr Thr	Glu Ala Val Gln Thr	Val Asp Pro Phe Lys	Ala		
	380		385		390
Thr Gly Lys Pro	His Thr Leu Trp Val	Ala Phe Ala Lys Phe	Tyr		
	395		400		405
Glu Asp Asn Gly	Gln Leu Asp Asp Ala	Arg Val Ile Leu Glu	Lys		
	410		415		420
Ala Thr Lys Val	Asn Phe Lys Gln Val	Asp Asp Leu Ala Ser	Val		
	425		430		435
Trp Cys Gln Cys	Gly Glu Leu Glu Leu	Arg His Glu Asn Tyr	Asp		
	440		445		450
Glu Ala Leu Arg	Leu Leu Arg Lys Ala	Thr Ala Leu Pro Ala	Arg		
	455		460		465
Arg Ala Glu Tyr	Phe Asp Gly Ser Glu	Pro Val Gln Asn Arg	Val		
	470		475		480
Tyr Lys Ser Leu	Lys Val Trp Ser Met	Leu Ala Asp Leu Glu	Glu		
	485		490		495
Ser Leu Gly Thr	Phe Gln Ser Thr Lys	Ala Val Tyr Asp Arg	Ile		
	500		505		510
Leu Asp Leu Arg	Ile Ala Thr Pro Gln	Ile Val Ile Asn Tyr	Ala		
	515		520		525
Met Phe Leu Glu	Glu His Lys Tyr Phe	Glu Glu Ser Phe Lys	Ala		
	530		535		540
Tyr Glu Arg Gly	Ile Ser Leu Phe Lys	Trp Pro Asn Val Ser	Asp		
	545		550		555

Ile Trp Ser Thr Tyr Leu Thr Lys Phe	Ile Ala Arg Tyr Gly Gly	560	565	570
Arg Lys Leu Glu Arg Ala Arg Asp Leu	Phe Glu Gln Ala Leu Asp	575	580	585
Gly Cys Pro Pro Lys Tyr Ala Lys Thr	Leu Tyr Leu Leu Tyr Ala	590	595	600
Gln Leu Glu Glu Glu Trp Gly Leu Ala	Arg His Ala Met Ala Val	605	610	615
Tyr Glu Arg Ala Thr Arg Ala Val Glu	Pro Ala Gln Gln Tyr Asp	620	625	630
Met Phe Asn Ile Tyr Ile Lys Arg Ala	Ala Glu Ile Tyr Gly Val	635	640	645
Thr His Thr Arg Gly Ile Tyr Gln Lys	Ala Ile Glu Val Leu Ser	650	655	660
Asp Glu His Ala Arg Glu Met Cys Leu	Arg Phe Ala Asp Met Glu	665	670	675
Cys Lys Leu Gly Glu Ile Asp Arg Ala	Arg Ala Ile Tyr Ser Phe	680	685	690
Cys Ser Gln Ile Cys Asp Pro Arg Thr	Thr Gly Ala Phe Trp Gln	695	700	705
Thr Trp Lys Asp Phe Glu Val Arg His	Gly Asn Glu Asp Thr Ile	710	715	720
Lys Glu Met Leu Arg Ile Arg Arg Ser	Val Gln Ala Thr Tyr Asn	725	730	735
Thr Gln Val Asn Phe Met Ala Ser Gln	Met Leu Lys Val Ser Gly	740	745	750
Ser Ala Thr Gly Thr Val Ser Asp Leu	Ala Pro Gly Gln Ser Gly	755	760	765
Met Asp Asp Met Lys Leu Leu Glu Gln	Arg Ala Glu Gln Leu Ala	770	775	780
Ala Glu Ala Glu Arg Asp Gln Pro Leu	Arg Ala Gln Ser Lys Ile	785	790	795
Leu Phe Val Arg Ser Asp Ala Ser Arg	Glu Glu Leu Ala Glu Leu	800	805	810
Ala Gln Gln Val Asn Pro Glu Glu Ile	Gln Leu Gly Glu Asp Glu	815	820	825
Asp Glu Asp Glu Met Asp Leu Glu Pro	Asn Glu Val Arg Leu Glu	830	835	840
Gln Gln Ser Val Pro Ala Ala Val Phe	Gly Ser Leu Lys Glu Asp	845	850	855

<210> 55

<211> 1598

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 116462CB1

<400> 55

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ttagaatggt aacttgcccc ttgctcacct catgcttgcc tttgggaacc ggtgagaaac 120
tgcaatccat tggcggtagg aaccacgatt cccggcattc ccagtgtccc gagtccttcg 180
ggcttccttt tccgggtctc gaggtgctg aaaccgaaac cgctgtgctg tgggcgcagc 240
gccgagattg attcaccttc acctgtgctg cactccagct gacccaagta ggaagccaga 300
cgagctgtaa aacatgaacg gaagagtggg ttatttggtc actgaggaag agatcaatct 360
taccagaggg ccctcagggc tgggcttcaa catcgctcgt gggacagatc agcagtatgt 420
ctccaacgac agtggcatct acgtcagccg catcaaagaa aatggggctg cggccctgga 480
tgggcggctc caggaggggtg ataagatcct ttcggtaaat ggccaagacc taaagaacct 540
gctgcaccag gatgctgtag acctctttcg taatgcaggc tatgctgtgt ctctgagagt 600
gcagcacagg ttacaggtgc agaattggacc tataggacat cgaggtgaag gggaccaag 660
tggtattccc atatttatgg tgctggtgcc agtgtttgcc ctcaccatgg tagcagcctg 720

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ggctttcatg agataccggc aacaactttg aaaaacttgc tctctttcaa tactcccaat 780
gaagatacat ttactcacc ctccaccctt gctattctgc catgtctttc cctctctctg 840
catagccaga tttgaagtga ctgataccca ccccaaacct tgctgttcac agtctccaat 900
tcttcataatt ctaatgggaa agtaagggtg ttgtttgaag gaaaactgaa gaaaagactt 960
ggcttagaac aaatgaggag ttatatattt tactaggact tttgatagaa attcagctac 1020
aacccaaaga gagaaagatt gagtcttctt gtcaccatag gcaatacctt ttttcttagc 1080
tggcattgcca taaaggccag ctatgtgata ttagagggaag aaaggatttt tctttttaat 1140
gatcttcctt gggaaattat tgtggccttt atttaatttc taactacgta cctgggtgcc 1200
tatatcgaca aagagtgaga agagcatttt tactttttta aaaaagcaaa tacatatata 1260
cacatacgta tgcaaatatt atagtataat agtgatccct atggagaatt aaaggtgaga 1320
aagctacttt gtggtgtcta ggtttctgat aaaagggatg atcttaactg aagaatttaa 1380
agagatactt aaacagagca aatgtagtag gaacaaggga gtgagcctta taaggaggacg 1440
ttcagtctca tttattaaaa taataactga gactgggaga ggtggctcat gcctgtaaat 1500
cccagcactt tggtagcctg aagtgggaga ttgcttgagt ccaggagacc agcctgggca 1560
acatagcaaa acctcatctc tatttaaaaa aaaaaaaa 1598

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<210> 56

<211> 1432

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1210462CB1

<400> 56

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ctgaccacgc tgaaagcaaa atcagagggg aagcttgcaa aacagatttg caaagtgtgt 180
ttggatcatt ttgaaaaaca gtattccaaa gaactcggag atgcctggaa tacagtaagg 240
gagatactaa catctccatc atgctggcaa tatgctgtcc tgcttaaccg attcaattat 300
ccttttgaac tggaaaagga tttacatttg aagggctatc acacactctc tcaggggatct 360
ttaccaactc atcctaaatc agtgaagtgt taccttagca gaactccggg ccgaatccct 420
tcagaagagc accaaattgg aaacctgaaa aaatattatc tcctaaatgc tgcttctctt 480
ctcccagtgt tggctctgga attaagggat ggggagaagg ttctggatct ctgtgctgct 540
cctggaggga aatcaatagc tctgctgcag tgtgctgtgc caggttatct tcattgtaat 600
gaatatgata gtctgagatt gaggtggcta aggcagacgt tggaaatctt catcccacag 660
cctttgataa atgtaattaa agtgtctgaa ttggatggca gaaaaatggg agatgcacag 720
cctgaaatgt ttgacaagggt gttagtggat gctccgtgtt caaatgatcg aagctgggtg 780
ttttcttctg actctcagaa ggcatcctgt aggataagtc aaaggaggaa tttgcctctt 840
ctacagatag agctgttaag gtctgcaatt aaggccttac gtcttgagg gatacttgta 900
tactctacat gcacgctttc caaggcagaa aatcaagatg tgatcagtga aatttttaac 960
tcccacggta acatcatgcc tatggacatt aaagggaatg caaggacttg ctcccacgac 1020
ttcacatttg ctcccactgg ccagggaatgt gggctcttag tgattccaga taaggggcaaa 1080
gcctggggcc caatgtatgt agccaaattg aagaaatcat ggagcacagg aaaatgggtga 1140
catgaatttg taaactgtgt ttatgtgtta ttatatttat atttctgaac tcagtacatg 1200
ttaatattta aataattatg cagtaacttt ctctgggtct gtttggaaac ctatttagtt 1260
aatactttag catcttagaa tctaggcttg agaattgttc aggtgtattt ttttcttaga 1320
aatatatctg taacaatgat ttaagggtgt gcagatgggt tttgttctat attataaatc 1380
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<210> 57

<211> 2317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1305252CB1

<400> 57

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<210> 58

<211> 1774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1416289CB1

<400> 58

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<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1558289CB1

<400> 59

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<210> 60

<211> 1331

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1577739CB1

<400> 60

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<210> 61

<211> 3227

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1752768CB1

<400> 61

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<210> 62

<211> 1865

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1887228CB1

<400> 62

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1865

<210> 63

<211> 1924

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1988468CB1

<400> 63

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caacattttt gacactgtgc taatagttat attcagtaca tgaaaagata ctactgtgtt 1800
gaaagctttt taggaattt tgacagtatt tttgtacaaa acattttttt gaaaaataac 1860
ttgttaattt attctatttt aatttgccaa tgtcaataaa aagttaagaa ataaaaaaaa 1920
aaaa
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<210> 64

<211> 948

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2049176CB1

<400> 64

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agatggtgtc ctggatgac tccagagccg tgggtgctgt gtttggaaat ctttatcctg 120
catattattc atacaagagt gtgaaaacaa aaaacgtgaa ggaatatgtt cgatggatga 180
tgtactggat tgtttttgct ctctatactg tgattgaaac agtagccgat caaacagttg 240
cttggtttcc cctgtactat gagctgaaga ttgcttttgt catatggctg ctttctccct 300
ataccaaagg agcaagttaa atatatagaa aattccttca tccacttctt tcttcaaagg 360
aaaggagat tgatgattat attgtacaag caaaggaacg aggctatgaa accatggtaa 420
```

```

actttggacg gcaaggttta aaccttgacg ctactgctgc tgttactgca gcagtaaaaga 480
gccaaaggagc aataactgaa cgtttaagaa gcttcagtat gcatgattta acaactatcc 540
aaggtgatga gcctgtggga caaagaccat accaacctct accagaagca aaaaagaaaa 600
gtaaacacgac cccagtgtaa tcagcaggtt atggaattcc actgaaagac ggagatgaga 660
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ttcgaagatc gcaaagcatg aaatctgtga aaaccaccaa aggccgcaaa gaggtgcggt 780
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```

<210> 65

<211> 2035

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2686765CB1

<400> 65

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gaccgtggcc ctgaccgcca aacccccgct tgcccccaag ccgggaacca cagtggcctc 60
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aacatcagca tcagcaggac aggtctcctga ggacccctca ggccctggca caggccctc 180
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gcgcaagacg gacaagtatg gcttccttgg gggcagccag tactcgggca gcctagagag 480
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```

<210> 66

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3215187CB1

<400> 66

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tctctggtgc tgtgcgtgc gctcatcttc ttgcgcattc ggcacataat tgcctttgat 180
gagttaagga cagattttaa gagccccata gaccagtgc aacctgttca tgcgagggaa 240
cggttgagga acatcgagcg catctgcttc cttctgcgaa agctgggtgct gccagaatac 300
tccatccata gcctcttctg cattatgttc ctgtgtgcgc aagagtggct cagcgtgggg 360
ctgaatgtcc ctctactttt ctatcacttc tggagggtatt tccactgtcc agcagatagc 420
tcagaactag cctacgaccc accggtgggtc atgaatgccg acactttgag ttactgtcag 480
aaggaggcct ggtgtaagct ggccttctat ctctctctc tcttctacta cctttactgc 540
atgatctaca ctttagtgag ctcttaacgc aaagaccatg cacatcatca gagactgaga 600
tgaggagaggc ctgagacgga gaggtgcatt tctgtggtg actggaggag ggaccagaat 660
gaggatacgt gagatataga cccggcaggc agtcagactg aatgggagct ggaatcacgc 720
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<210> 67

<211> 2503

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3500375CB1

<400> 67

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caagagaaga aggaggcagg cgcggcggca gcggcgccgc cccgagccgg cggaggcgag 180
gggggggaag atggcggacg tgcttagcgt cctgcgacag tacaacatcc agaagaagga 240
gattgtggtg aagggaagcg aagtgtctt cggggaggtc tcttgccca agaattgtga 300
gaccaactat gttgtttggg ggactggaaa ggaaggccaa cccagagagt actacacatt 360
ggattccatt ttatttctac ttaataacgt gcaccttct catcctgttt atgtccgacg 420
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accacgaatt gaggatgaag agtgtgtgcg ccttgataaa gagagattgg ctgcccgttt 660
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gattataagg ctctctgagc catcttctga tttttcattg ctctataatt ctttttactg 2160
aaaatactat gttatgaat gtattaaatt ttagtctctg gaacatccaa aaccaagcaa 2220
agggatgtga ctattttgaa tgaatcagaa tgcaacttg tatgtacac atattctacac 2280

```



```

ttactcatta tttaaaaaga ataatgaaaa atctagatca attcttcaat ttgattgaac 2340
tgttcagcct tttcaagatt tctttattta caaatgatta cattttaatg aatgtacatt 2400
cttctcactg acttttggtga ttttgaaacc tagaatgatg tgtttctatc tgtaatatct 2460
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```

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<210> 68
<211> 541
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 5080410CB1

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<400> 68
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atccgtctct gcttccatgg cctctcgtcg gcagtgaagc tcaagttgct actcgggacg 180
ctgcacctcc cgcgccgcac ggtggacgag catcctatct tgccaatgaa gggcgcccta 240
atggagatca tccagctcgc cagcctcgac tcggaccctt ggggtgctcat ggtcgccgac 300
atcttgaagt cctttccgga cacaggctcg cttaacctgg agctggagga gcagaatccc 360
aacgttcagg atattttggg agaacttaga gaaaagggtg gtgagtgtga agcgtctgcc 420
atgctgccac tggagtgccg gtacttgaac aaaaacgccg ctgacgaccc tcgcgggacc 480
cctcactccc ccgggtgaag cattttcagt taaagcggaa acccaagagc gccacgctgc 540
g                                     541

```

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<210> 69
<211> 937
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 5218248CB1

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<400> 69
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gagaaacacc tgttcaacct gaagtctcgc gccaaagaac tgagtaggag tgccaaaaaa 180
tgcgataagg aggaaaaggc cgaaggggcc aaaattaaaa aggccattca gaagggaac 240
atggaagttg cgaggatata cgccgaaaaa gccatccgcc agaagaacca ggcggtgaat 300
ttcttgagaa tgagtgcgcg agtcgatgca gtggctgccg gggtcagac ggcggtgacg 360
atgggcaagg tgaccaagtc gatggctggt gtggttaagt cgatggatgc gacattgaag 420
accatgaatc tggagaagat ttctgctttg atggacaaat tcgagcacca gtttgagact 480
ctggacgtcc agacgcagca aatggaagac acgatgagca gcacgacgac gctcaccact 540
ccccagaacc aagtggatat gctgctccag gaaatggcag atgaggcggg cctcgacctc 600
aacatggagc tgccgcaggc ccagaccggc tccgtgggca cgagcgtggc ttcggcgagg 660
caggatgaac tgtctcagag actggcccgc cttcgggatc aagtgtgacg gcagaacccg 720
ctctgaggtt tcctggccat agccaccctt tgaaatgctc tctgtgtgtt agagagatac 780
tataccctag aaactctgaa cagccagaaa tgctgaaatg cccttctacc tttgggttta 840
cagccccctc cacataaatt aagaaattca gtatttctgc actcttagct gtattctaaa 900
gttctgtata gctcgtaatg atgggtatttt tatagca                937

```

```

<210> 70
<211> 823
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<223> Incyte ID No: 058336CB1

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```

<400> 70

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```

cccacacagg cgtagtgcac gctaaaatta accctcacta aaggggaataa gcttgcgggc 60
gccggggcgaa tggtcgggcag ctgcgaggcc aagagagacc ccaggacaca cacagctgcc 120
tcccgggtgcg agaagaagac cccggcttga gactgagatg gcgtttaatg attgcttcag 180
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cattcctgcg tcctttacaa gcgccaagtc tgtattcagc agtaaggccc tggtgaaaat 360
gcagctcttg aaggatgttg tgggaaatga cacatacaga ataaacaata aatacgatga 420
aacgtacccc cctctccctg tgggaagaaat cataaagcgg tcagagtttg taattggaca 480
ggaggtggcc tataacttac ttgtcaacaa ctgtgaacat tttgtgacat tgcttcgcta 540
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tgctgttggg gtcttctcat tcttgggctt gtttccaaaa ggacaaagag caaaatacta 660
ttaacaattt accaaagaga tattgatatt gaaggaattt gggaggagga aaagaaacct 720
ggggtgaata cttattttca gtgcacatt actgttccag attcctatga tggatggcag 780
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```

<210> 71

<211> 1033

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1511488CB1

<400> 71

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cacagcctca ttctgcctt ttctcagcca ttacctccca aacatagcag ttttctctag 960
tttcatcacc tttgattcat tttgcctgtt tttgaacttt atataaatgg atttatacat 1020
taaaaaaaaa aaa 1033

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<210> 72

<211> 1622

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1638819CB1

<400> 72

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acaggcgctg agcacctgtg gctgaccgga catctcaggg acccatttgt gaaggctgcg 180
aagggtggaga gttaccggtg tcgaagcgcc ttcaagctcc tggaggtgaa cgagaggcac 240
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cagggtggcg tgagaaaggt caacgccgca ggcacagatc ccagctctcc tgttggttcc 360
gtgtttgggg tagatcttct tcacatattc cccctggaag gagcaacttt tctgtgccct 420
gctgacgtga ctgaccgag aacctcacag agaactctcg aggtgcttcc tggcaggaga 480
gcagatgtga ttctgagcga catggcgccc aatgccacag ggttccggga cctcgatcat 540

```

```

gacaggctca tcagcctgtg cctgaccctt ctcagcgtga cccagacat cctgcaacct 600
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aa

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<210> 73

<211> 2449

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1655123CB1

<400> 73

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gagtactacc ttgggaatat gttggccaag aaccttctat ttgaaaaaga acgagaagca 660
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<211> 1689

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2553926CB1

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<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

<220>

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<223> Incyte ID No: 017900CB1

<400> 77

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<213> Homo sapiens

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<210> 81

<211> 1370

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1398816CB1

<400> 81

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<210> 82

<211> 1541
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 1496820CB1

<400> 82
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<210> 83
 <211> 1372
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1514559CB1

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 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1620092CB1

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<210> 85
 <211> 3388
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1678765CB1

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<210> 86

<211> 1707

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1708229CB1

<400> 86

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<210> 87
<211> 1752
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 1806454CB1

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<400> 87
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gaaaaaaaaa aa 1752

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<210> 88
<211> 2461
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature

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<223> Incyte ID No: 1806850CB1

<400> 88

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2555

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<210> 93

<211> 2031

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2359526CB1

<400> 93

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<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2456494CB1

<400> 94

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<210> 95

<211> 2070

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2668536CB1

<220>

<221> unsure

<222> 2058, 2067

<223> a, t, c, g, or other

<400> 95

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aagtagaaga aacaccaaaaa aaatgtaaa atatatcatcaa aacagctcgt agttttattaa 480
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<210> 96

<211> 2046

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2683225CB1

<400> 96

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ctcata 2046

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<210> 97

<211> 2660

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2797839CB1

<400> 97

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<210> 98
<211> 4610
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 2959521CB1

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<213> Homo sapiens

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<223> Incyte ID No: 3082014CB1

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<212> DNA

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<220>

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<213> Homo sapiens

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<223> Incyte ID No: 5627029CB1

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